

## **PANSY:**

### **Scientific classification**

Kingdom: [Plantae](#)  
Clade: [Tracheophytes](#)  
Clade: [Angiosperms](#)  
Clade: [Eudicots](#)  
Clade: [Rosids](#)  
Order: [Malpighiales](#)  
Family: [Violaceae](#)  
Genus: [Viola](#)



- Pansies are small, flowering plants that are part of the violet family
  - **Origin:** Europe
  - **Appearance:** Pansies have five-petaled flowers that are usually 1–2 inches across and come in a variety of colors, including white, yellow, blue, purple, and red. The flowers often have a darker patch in the center of the petals.
  - **Size:** Pansies can grow to be 6–12 inches tall.
  - **Leaves:** Pansy leaves are green and heart-shaped with jagged edges.
  - **Growing conditions:** Pansies grow best in cool, damp climates with rich soil. They perform well during the spring and fall, and can flower all winter in USDA hardiness zones 8–11.
  - **Medicinal uses:** In traditional medicine, pansies are thought to have blood-purifying and metabolism-stimulating properties. They can also be used externally to treat skin disorders.
  - **Insect and disease problems:** Slugs are the most common problem for pansies, but aphids can also be an issue.
  - **History:** Pansies have been grown for a long time and have been featured in many paintings, including works by Pierre-Joseph Redouté, Henri Fantin-Latour, Vincent van Gogh, and Georgia O'Keeffe.

## **MARIGOLD:**

### **Scientific classification**

Kingdom: [Plantae](#)  
Clade: [Tracheophytes](#)  
Clade: [Angiosperms](#)  
Clade: [Eudicots](#)  
Clade: [Asterids](#)  
Order: [Asterales](#)  
Family: [Asteraceae](#)  
Subfamily: [Asteroideae](#)  
Tribe: [Tageteae](#)  
Subtribe: [Pectidinae](#)  
Genus: *Tagetes*



- **Origin** : Marigolds are native to Central and South America.
- **Appearance** : Marigolds are annual flowers with pom-pom, anemone, or daisy-shaped blooms that come in a variety of colors, including yellow, orange, red, and mahogany. They can grow to be 1–5 feet tall, and have finely cut leaves that are arranged opposite each other on the stem.
- **Growing conditions** : Marigolds are low-maintenance plants that grow quickly and need full sun all day to bloom. They can be grown from seed or transplant, and are suitable for containers or gardens
- **Uses** : Marigolds are used in many ways, including:
  - ✓ **Cut flowers**: Marigolds are long-lasting cut flowers with a crisp scent.
  - ✓ **Garlands** : Marigold flowers are used to make garlands for religious ceremonies and festive occasion.
  - ✓ **Carotenoids** : Carotenoids extracted from marigold flowers are used in pharmaceuticals, food supplements, animal feed additives, and colorants in food and cosmetics.
  - ✓ **Medicinally** : Marigolds are used medicinally as a yellow dye.
  - ✓ **Poultry Feed** : Marigolds are used in poultry feed to increase the yellow pigment in egg yolks.
- **Species** : There are over 50 species of marigold, but the most common varieties are the French marigold (*Tagetes patula*) and the African marigold (*Tagetes erecta*).

## DIANTHUS:

### Scientific classification

Kingdom: [Plantae](#)  
Clade: [Tracheophytes](#)  
Clade: [Angiosperms](#)  
Clade: [Eudicots](#)  
Order: [Caryophyllales](#)  
Family: [Caryophyllaceae](#)  
Genus: *Dianthus*



- Dianthus is a genus of flowering plants that includes carnations, pinks, and sweet williams.
- **Origin:** Europe and Asia.
- **Appearance :** Dianthus flowers come in many colors, including white, pink, violet, red, yellow, and green. They can be single flowers or grow in clusters of up to five.
- **Growing conditions :** Dianthus flowers grow best in cooler, drier weather with at least six hours of sun a day. They need well-drained soil enriched with compost and a slow-release fertilizer. Dianthus flowers should not be overwatered, as they can rot in wet, hot conditions.
- **Uses :** Dianthus flowers are often used as border flowers in gardens and pots. They can also be used in floral arrangements.
- **Planting :** Dianthus flowers are best planted in early spring or fall. They should be spaced well to allow for air circulation around the stems.
- **Maintenance :** To keep dianthus flowers neat, cut them back by half after the flush is almost over. New flowers will appear within 3–4 weeks.
- **Medicinal properties :** Some dianthus flowers, such as sweet william, may have medicinal properties. Pharmacological studies have shown that dianthus flowers have anticancer, antiviral, antibacterial, antifungal, insecticidal, and other effects.