1. **Hearts**
   1. **Makes use of 4 tags: heart {left top,right top, chest,background}**
   2. **Switches Z-index frequently to give the illusion of an Heartbeat**
   3. **Uses radial gradient and box-shadow effect to give 3d illusion of heart.**

**Code:**

**@-webkit-keyframes beat {**

**0% {**

**-webkit-transform: scale(1) rotate(225deg);**

**-webkit-box-shadow: 0 0 40px rgba(213, 9, 60, 1);**

**}**

**50% {**

**-webkit-transform: scale(1.1) rotate(225deg);**

**-webkit-box-shadow: 0 0 70px rgba(213, 9, 60, 0.6);**

**}**

**100% {**

**-webkit-transform: scale(1) rotate(225deg);**

**-webkit-box-shadow: 0 0 40px rgba(213, 9, 60, 1);**

**}**

**}**

**@-webkit-keyframes justBeat {**

**0% {**

**-webkit-transform: scale(1);**

**-webkit-box-shadow: 0 0 40px rgba(213, 9, 60, 1);**

**}**

**50% {**

**-webkit-transform: scale(1.1);**

**-webkit-box-shadow: 0 0 70px rgba(213, 9, 60, 0.6);**

**}**

**100% {**

**-webkit-transform: scale(1);**

**-webkit-box-shadow: 0 0 40px rgba(213, 9, 60, 1);**

**}**

**}**

**.heart{…**

**z-index:2;**

**}**

**.heart-top**

**{…**

**z-index:3;**

**}**

**-webkit-animation: justBeat 0.7s ease 0s infinite normal;**

**-webkit-animation: beat 0.7s ease 0s infinite normal;**

1. **Diamonds**
   1. **Shows one part of one image and switches rapidly either clockwise or anti-clockwise depending on the hover effect.**
   2. **Depends on persistence of vision**

****

**Code:**

**.clockwise:hover ~ .rotate{**

**animation: rotate-clockwise 1s steps(30) infinite;**

**}**

**@keyframes rotate-clockwise {**

**0% {background-position: 0 0; }**

**100% {background-position: -8192px 0; }**

**}**

1. **Sleepy Owl**
   1. **A list of all the moving elements in the animation is made.**
   2. **The timing of all elements are calculated and what their relative positions are when they are at 0%,18% or 100% etc and the keyframes rules are prepared.**
   3. **For the clouds and the hills, the positions of absolute and relative are used to give an illusion of movement.**

**Code:**

**@-webkit-keyframes eyes {**

**0%,**

**8.88889%,**

**100% {**

**top: -50px;**

**}**

**17.77778% {**

**top: -45px;**

**}**

**91.11111% {**

**top: -20px;**

**}**

**57.77778%,**

**88.88889% {**

**top: -15px;**

**}**

**66.66667% {**

**top: -25px;**

**}**

**}**

1. **SVG**
   1. **The list of 18 elements and their respective colors are made and then executed simultaneously**
   2. **Timing function is made variable using a for loop and a css pre-processor is used**

**@-webkit-keyframes pweek {**

**0% {**

**fill: #0057B8;**

**}**

**20% {**

**fill: #F11E4A;**

**}**

**40% {**

**fill: #F8A527;**

**}**

**60% {**

**fill: #266D7F;**

**}**

**80% {**

**fill: #82A;**

**}**

**100% {**

**fill: #0057B8;**

**}**

**}**

1. **Day-Night Transition**
   1. **Different classes for day and night, along with different colors and images in the center**
   2. **The slider uses JS to switch from one class to another**

**Code:**

**webkit-transition: background 0.5s ease-in-out;**

**webkit-animation: pulse 5s ease infinite alternate; //sun**

**animation: pulse 5s ease infinite alternate;**