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AME 220

Assignment (2 HTML page)

1. Convert Hex to RGB
    a. #1fa346
        i. 1f = $(1\times16^{1})+(15\times16^{0})$ = 31
        ii. A3 = $(10 \times 16^{1}) + (3 \times 16^{0})$ = 163
        iii. 46 = $(4 \times 16^{1}) + (6 \times 16^{0})$ = 70
        iv. RGB = (31, 163, 70)
    b. #a34cb6
        i. A3 = $(10 \times 16^{1}) + (3 \times 16^{0})$ = 163
        ii. 4c = $(4 \times 16^{1}) + (12 \times 16^{0})$ = 76
        iii. B6 = $(11 \times 16^{1}) + (6 \times 16^{0})$ = 182
        iv. RGB = (163, 76, 182)
    c. #37feb2
        i. 37 = $(3 \times 16^{1}) + (7 \times 16^{0})$ = 55
        ii. fe = $(15 \times 16^{1}) + (14 \times 16^{0})$ = 254
        iii. B2 = $(11 \times 16^{1}) + (2 \times 16^{0})$ = 178
        iv. RGB = (55, 254, 178)
    d. #4571ab
        i. 45 = $(4 \times 16^{1}) + (5 \times 16^{0})$ = 69
        ii. 71 = $(7 \times 16^{1}) + (1 \times 16^{0})$ = 113
        iii. Ab = $(10 \times 16^{1}) + (11 \times 16^{0})$ = 171
        iv. RGB = (69, 113, 171)
    e. #715ab4
        i. 71 = $(7 \times 16^{1}) + (1 \times 16^{0})$ = 113
        ii. 5a = $(5 \times 16^{1}) + (10 \times 16^{0})$ = 90
        iii. B4 = $(11 \times 16^{1}) + (4 \times 16^{0})$ = 180
        iv. RGB = (113, 90, 180)
2. Convert RGB to Hex
    a. rgb(213, 22,2)
        i. 213/16 = 13.3125
            1. 13 = D
            2. .3125 x 16 = 5
            3. #D5
        ii. 22/16 = 1.37500
            1. 1

2. .375 x 16 = 6
3. #16
   iii. 2/16 = 0.125
   1. 0
   2. .125 x 16 = 2
   iv. #D51602
b. rgb(112,226,52)
   i. 112/16 = 7
   1. 7
   2. 0
   3. #70
   ii. 226/16 = 14.12500
   1. 14 = E
   2. .125 x 16 = 2
   3. #E2
   iii. 52/16 = 3.25
   1. 3
   2. .25 x 16 = 4
   3. #34
   iv. #70E234
c. rgb(12,124,41)
   i. 12/16 = 0.75
   1. 0
   2. .75 x 16 = 12 = C
   3. #0C
   ii. 124/16
   1. 7
   2. .75 x 16 = 12 = C
   3. #7C
   iii. 41/16 = 2.5625
   1. 2
   2. 0.5625 x 16 = 9
   3. #29
   iv. #0C7C29
d. rgb(223,32,113)
   i. 223/16 = 13.9375
   1. 13 = D
   2. .9375 x 16 = 15 = F
   3. #DF
   ii. 32/16 = 2

1. 2
2. 0
3. #20

   iii. $113/16 = 7.0625$
1. 7
2. $.0625 \times 16 = 1$
3. #71

   iv.   #DF2071

e. rgba(112,23,124,.4)

   i. $112/16 = 7$
1. 7
2. 0
3. #70

   ii. $23/16 = 1.4375$
1. 1
2. $.4375 \times 16 = 7$
3. #17

   iii. $124/16 = 7.75$
1. 7
2. $.75 \times 16 = 12 = C$
3. #7C

   iv.   #70177C

3. Questions

a. List 5 html tags

   i.   <a>
   ii.   <body>
   iii.   <h1>
   iv.   <p>
   v.   <style>

b. List 5 html attributes

   i.   href
   ii.   Title
   iii.   Width
   iv.   Height
   v.   alt