

Converting Colors

XYZ(40.2200, 21.2648, 12.7043)

Have a look what the booklet for
XYZ(40.2200, 21.2648, 12.7043)
contains.

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Color

**XYZ(40.2383, 21.2717,
12.8115)**

Conversions

Conversions Part 1

Format	Color
Hex	F5205F
RGB	245, 32, 95
RGB Percent	96%, 13%, 37%
CMY	0.0392, 0.8744, 0.6274
CMYK	0.00, 0.87, 0.61, 0.04
HSL	342°, 91%, 54%
HSV	342°, 87%, 96%
XYZ	40.2383, 21.2717, 12.8115
YIQ	102.8690, 106.7250, 64.7490

Conversions

Conversions Part 2

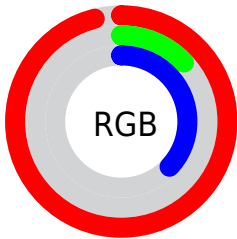
Format	Color
R_{YB}	245, 32, 95
Decimal	16064607
CIE _{Lab}	53.25, 76.96, 21.39
CIE _{LCh}	53, 79.880, 15.528
Yxy	21.2717, 0.5414, 0.2862
Android (android.graphics.Color)	4294254687 (0xFFFF5205F)
YUV	102.8690, -3.8794, 124.6489
Hunter-Lab	46.1213, 75.0194, 15.8154

Details

The XYZ color **40.2383, 21.2717, 12.8115** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **41.6947, 68.9905, 55.3880**, and the grayscale version is **12.8509, 13.5201, 14.7234**.

A 20% lighter version of the original color is **51.4024, 33.4075, 30.5271**, and **19.6318, 10.0540, 3.9235** is the 20% darker color. If you saturate the color by 10%, you get **39.1037, 20.1222, 8.9828**, and if you desaturate by 10%, it is **42.0347, 23.4674, 17.7182**.

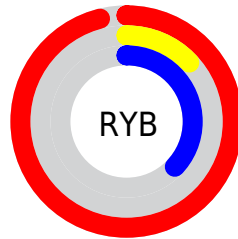
Distribution



Red (96%)

Green (13%)

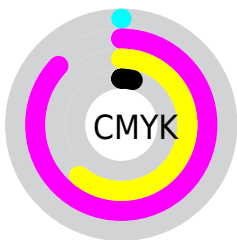
Blue (37%)



Red (96%)

Yellow (13%)

Blue (37%)

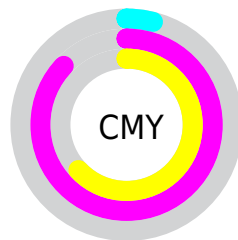


Cyan (0%)

Magenta (87%)

Yellow (61%)

Black (4%)



Cyan (4%)


Magenta (87%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2383, 21.2717, 12.8115 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.2383, 21.2717, 12.8115 by changing the saturation by 10% instead.


 40.2383, 21.2717,
12.8115


 40.2383, 21.2717,
12.8115

338.2442,
258.7189, 220.8713


 27.9094, 13.3228,
7.1697


 74.8083, 45.5393,
31.6509

 18.3975, 7.6512,
3.4884


 97.7801, 62.6267,
45.6856


 11.3372, 3.8726,
1.3491


 125.0303, 83.5291,
63.3550

 6.3631, 1.6025,
0.1015

 156.9242,
108.6308, 85.0776

 3.1098, 0.3593,
0.0000

 193.8272,
138.3162, 111.2720

 1.2121, 0.0000,
0.0000

236.1046,

 0.1159, 0.0000,

172.9698, 142.3567

0.0000

284.1218,
212.9759, 178.7503

■ 0.0000, 0.0000,
0.0000

■ 40.2383, 21.2717,
12.8115

■ 40.2383, 21.2717,
12.8115

■ 39.1037, 20.1222,
8.9828

■ 42.0347, 23.4674,
17.7182


■ 38.8403, 19.8861,
7.9986


■ 44.5968, 26.8995,
23.7891


■ 48.0094, 31.7220,
31.1004

■ 52.3448, 38.0653,
39.7209

■ 57.6674, 46.0447,
49.7136

 64.0357, 55.7643,
61.1375

 71.5034, 67.3193,
74.0477

 80.1204, 80.7983,
88.4965

 89.9337, 96.2839,
104.5334

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3610, 21.2717, 36.8301



40.2383, 21.2717, 12.8115



33.8557, 21.2717, 3.3048

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.2383, 21.2717, 12.8115



10.7058, 21.2717, 3.4731



16.4267, 21.2717, 103.6367

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.2383, 21.2717, 12.8115



41.6947, 68.9905, 55.3880

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.8449, 21.2717, 74.6967



40.2383, 21.2717, 12.8115



8.2215, 21.2717, 13.3776

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.2383, 21.2717, 12.8115



16.1763, 21.2717, 1.0392



8.2641, 21.2717, 37.9697



24.8827, 21.2717, 103.0355

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.2383, 21.2717, 12.8115



27.7156, 21.2717, 1.3848



8.2641, 21.2717, 37.9697



14.2116, 21.2717, 96.4733

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.2388, 21.2730, 12.8118



70.7958, 62.0953, 68.1254



36.0797, 17.4636, 87.8551



14.5987, 12.4394, 13.6027



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2388, 21.2730, 12.8118



42.5238, 21.7735, 8.6905



40.4075, 24.4975, 3.9670



16.7007, 16.5631, 18.1706



20.9768, 10.7342, 4.5862



1.8868, 0.9607, 0.6305

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.2388, 21.2730, 12.8118



42.5238, 21.7735, 8.6905



38.2934, 49.3312, 93.8895



16.7007, 16.5631, 18.1706



20.9768, 10.7342, 4.5862



1.8868, 0.9607, 0.6305

Previews

White Background



This preview shows how the XYZ color 40.2383, 21.2717, 12.8115 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.2383, 21.2717, 12.8115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

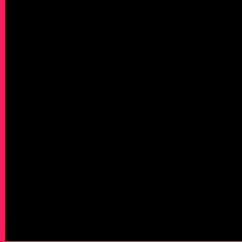
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2383, 21.2717, 12.8115

Background



This preview shows how black text looks on a background with the XYZ color 40.2383, 21.2717, 12.8115.



This preview shows how white text looks on a background with the XYZ color 40.2383, 21.2717,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.2383, 21.2717, 12.8115

Protanopia

20.8646, 21.5172, 25.9752

Deuteranopia

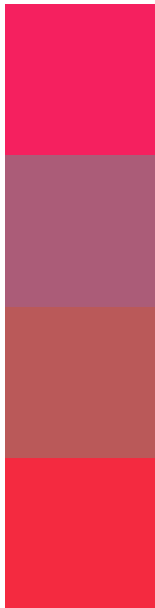
21.7361, 21.3472, 11.5691



Tritanopia

38.4718, 21.2850, 4.6655

Trichromacy



Original Color

40.2383, 21.2717, 12.8115

Protanomaly

24.0119, 17.6683, 19.9141

Deuteranomaly

25.6253, 18.3051, 11.6338

Tritanomaly

39.0616, 21.2592, 6.8951

Monochromacy



Original Color

40.2383, 21.2717, 12.8115

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

18.4717, 13.1964, 13.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2383, 21.2717, 12.8115 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(245, 32, 95)` looks like.

```
.text, #text, p{  
    color:rgb(245, 32, 95)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(245, 32, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 32, 95) }
```

Border

The CSS property to change the border of an element to XYZ 40.2383, 21.2717, 12.8115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 32, 95) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(245, 32, 95) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(245, 32, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 32, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 32, 95);  
box-shadow:4px 4px 4px 4px rgb(245, 32,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2383, 21.2717, 12.8115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 32, 95) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(245, 32,  
95) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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