

Converting Colors

XYZ(40.8266, 21.2940, 4.4645)

Have a look what the booklet for
XYZ(40.8266, 21.2940, 4.4645)
contains.

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Color

**XYZ(40.8190, 21.2858,
4.4398)**

Conversions

Conversions Part 1

Format	Color
Hex	FC112D
RGB	252, 17, 45
RGB Percent	99%, 7%, 18%
CMY	0.0118, 0.9331, 0.8235
CMYK	0.00, 0.93, 0.82, 0.01
HSL	353°, 98%, 53%
HSV	353°, 93%, 99%
XYZ	40.8190, 21.2858, 4.4398
YIQ	90.4570, 131.0720, 58.5280

Conversions

Conversions Part 2

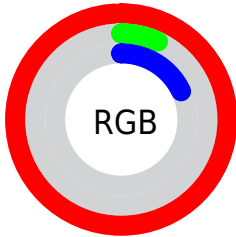
Format	Color
R_{YB}	252, 17, 45
Decimal	16519469
CIE Lab	53.26, 78.70, 50.58
CIE LCh	53, 93.547, 32.728
Yxy	21.2858, 0.6134, 0.3199
Android (android.graphics.Color)	4294709549 (0xFFFC112D)
YUV	90.4570, -22.4103, 141.6732
Hunter-Lab	46.1365, 77.1878, 26.5900

Details

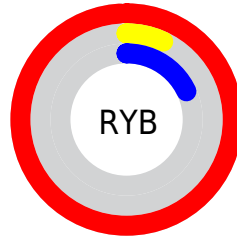
The XYZ color **40.8190, 21.2858, 4.4398** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **48.5031, 75.1243, 82.4983**, and the grayscale version is **9.8550, 10.3682, 11.2910**.

A 20% lighter version of the original color is **47.7289, 31.1470, 13.6216**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.3787, 20.7889, 3.1115**, and if you desaturate by 10%, it is **42.0006, 22.7766, 7.5247**.

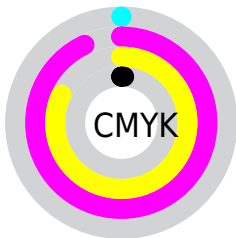
Distribution



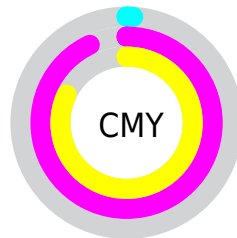
- Red (99%)
- Green (7%)
- Blue (18%)



- Red (99%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (93%)
- Yellow (82%)
- Black (1%)





- Cyan (1%)
- Magenta (93%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8190, 21.2858, 4.4398 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 40.8190, 21.2858, 4.4398 by changing the saturation by 10% instead.

 40.8190, 21.2858,
4.4398


 40.8190, 21.2858,
4.4398

340.6391,
258.7935, 152.9950


 28.3647, 13.3331,
1.8696


 75.6855, 45.5627,
15.0120

 18.7426, 7.6583,
0.4733


 98.8284, 62.6557,
23.8511

 11.5874, 3.8771,
0.0000


 126.2650, 83.5642,
35.6168

 6.5336, 1.6050,
0.0000

 158.3605,
108.6726, 50.7278

 3.2159, 0.3610,
0.0000

 195.4803,
138.3653, 69.6026

 1.2689, 0.0000,
0.0000

 237.9897,

 0.1598, 0.0000,

173.0268, 92.6597

0.0000

286.2542,
213.0414, 120.3177

■ 0.0000, 0.0000,
0.0000

■ 40.8190, 21.2858,
4.4398

■ 40.8190, 21.2858,
4.4398

■ 40.3787, 20.7889,
3.1115

■ 42.0006, 22.7766,
7.5247

■ 43.9987, 25.4912,
12.1417

■ 46.9308, 29.6234,
18.4589

■ 50.8948, 35.3322,
26.6214

■ 55.9758, 42.7552,
36.7592

■ 62.2501, 52.0149,
48.9899

■ 69.7874, 63.2229,
63.4223

■ 78.6517, 76.4816,
80.1575

■ 88.9029, 91.8863,
99.2901

Harmonies

Analogous

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



45.7951, 21.2858, 20.6795



40.8190, 21.2858, 4.4398



30.2572, 21.2858, 0.6069

Triad

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



40.8190, 21.2858, 4.4398



7.5980, 21.2858, 6.1055



21.1504, 21.2858, 131.2597

Complementary

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



40.8190, 21.2858, 4.4398



48.5031, 75.1243, 82.4983

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.



12.7083, 21.2858, 113.1249



40.8190, 21.2858, 4.4398



6.5600, 21.2858, 25.8671

Square

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



40.8190, 21.2858, 4.4398



11.5926, 21.2858, 0.9182



8.0791, 21.2858, 66.8585



32.3545, 21.2858, 105.8276

Rectangle

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



40.8190, 21.2858, 4.4398



22.7356, 21.2858, 0.0000



8.0791, 21.2858, 66.8585



17.9184, 21.2858, 130.0676

Sweetspot

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



40.8195, 21.2872, 4.4401



67.8224, 59.1850, 57.7733



47.4909, 22.7514, 93.9832



13.8251, 11.6409, 11.0373



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.



40.8195, 21.2872, 4.4401



41.4787, 21.3555, 3.1869



45.1160, 30.4756, 4.0368



17.3286, 17.2588, 18.3201



21.0611, 10.8402, 1.7643



1.9767, 1.0144, 0.3007

Inverse Universe

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



40.8195, 21.2872, 4.4401



41.4787, 21.3555, 3.1869



31.4116, 34.3659, 97.0725



17.3286, 17.2588, 18.3201



21.0611, 10.8402, 1.7643



1.9767, 1.0144, 0.3007

Previews

White Background



This preview shows how the XYZ color 40.8190, 21.2858, 4.4398 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 40.8190, 21.2858, 4.4398 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 40.8190, 21.2858, 4.4398

Background



This preview shows how black text looks on a background with the XYZ color 40.8190, 21.2858, 4.4398.



This preview shows how white text looks on a background with the XYZ color 40.8190, 21.2858,

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

40.8190, 21.2858, 4.4398

Protanopia

19.8410, 21.5560, 9.0762

Deuteranopia

21.8825, 21.4141, 3.7391



Tritanopia

40.5442, 21.3778, 2.3702

Trichromacy



Original Color

40.8190, 21.2858, 4.4398



Protanomaly

23.4153, 17.1510, 6.6338



Deuteranomaly

25.8333, 17.8824, 3.3184



Tritanomaly

40.5885, 21.3020, 2.8921

Monochromacy



Original Color

40.8190, 21.2858, 4.4398



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

15.4080, 10.4390, 7.6814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8190, 21.2858, 4.4398 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(252, 17, 45)` looks like.

```
.text, #text, p{  
    color:rgb(252, 17, 45)  
}
```

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(252, 17, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 17, 45) }
```

Border

The CSS property to change the border of an element to XYZ 40.8190, 21.2858, 4.4398 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(252, 17, 45) }
```


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

```
.border{ border-color:rgb(252, 17, 45) }
```

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

Here you see how a box with a 4 pixel rgb(252, 17, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 17, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 17, 45);  
box-shadow:4px 4px 4px 4px rgb(252, 17,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8190, 21.2858, 4.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 17, 45) }
```

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

```
.background{ background-color: rgb(252, 17,  
45) }
```

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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