

Converting Colors

XYZ(40.3208, 21.8025, 20.5759)

Have a look what the booklet for
XYZ(40.3208, 21.8025, 20.5759)
contains.

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Color

**XYZ(40.4250, 21.8844,
20.5058)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F02E7A |
| RGB | 240, 46, 122 |
| RGB Percent | 94%, 18%, 48% |
| CMY | 0.0588, 0.8195, 0.5216 |
| CMYK | 0.00, 0.81, 0.49, 0.06 |
| HSL | 336°, 87%, 56% |
| HSV | 336°, 81%, 94% |
| XYZ | 40.4250, 21.8844, 20.5058 |
| YIQ | 112.6700, 91.2280, 64.7640 |

Conversions

Conversions Part 2

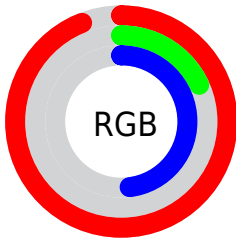
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 240, 46, 122 |
| Decimal | 15740538 |
| CIE _{Lab} | 53.90, 74.71, 5.88 |
| CIE _{LCh} | 54, 74.937, 4.504 |
| Yxy | 21.8844, 0.4881, 0.2643 |
| Android (android.graphics.Color) | 4293930618 (0xFFFF02E7A) |
| YUV | 112.6700, 4.5997, 111.6684 |
| Hunter-Lab | 46.7808, 72.3822, 6.7575 |

Details

The XYZ color **40.4250, 21.8844, 20.5058** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **38.9898, 65.5821, 45.7334**, and the grayscale version is **15.5686, 16.3794, 17.8372**.

A 20% lighter version of the original color is **54.7851, 36.1262, 44.1300**, and **19.5961, 9.9594, 7.3681** is the 20% darker color. If you saturate the color by 10%, you get **38.8973, 20.1697, 15.8638**, and if you desaturate by 10%, it is **42.6129, 24.7023, 26.0386**.

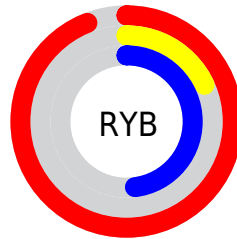
Distribution



Red (94%)

Green (18%)

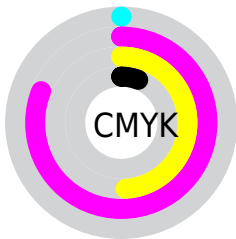
Blue (48%)



Red (94%)

Yellow (18%)

Blue (48%)

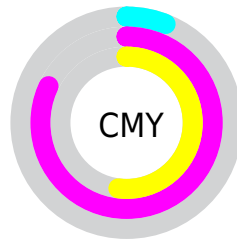


Cyan (0%)

Magenta (81%)

Yellow (49%)

Black (6%)



Cyan (6%)


Magenta (82%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4250, 21.8844, 20.5058 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 40.4250, 21.8844, 20.5058 by changing the saturation by 10% instead.

 40.4250, 21.8844,
20.5058


 40.4250, 21.8844,
20.5058


339.0154,
261.9420, 267.3345

 28.0558, 13.7720,
12.5755


 75.0905, 46.5549,
45.1336


 18.5084, 7.9622,
7.0096


 98.1174, 63.8817,
62.6683


 11.4175, 4.0708,
3.3896


 125.4277, 85.0488,
84.2415

 6.4177, 1.7132,
1.2968

 157.3865,
110.4405, 110.2718

 3.1438, 0.4322,
0.0592

 194.3594,
140.4413, 141.1777

 1.2302, 0.0000,
0.0000

236.7116,

 0.1300, 0.0000,

175.4356, 177.3777

0.0000

284.8085,
215.8077, 219.2905

■ 0.0000, 0.0000,
0.0000

■ 40.4250, 21.8844,
20.5058

■ 40.4250, 21.8844,
20.5058

■ 38.8973, 20.1697,
15.8638

■ 42.6129, 24.7023,
26.0386


■ 37.9558, 19.3335,
12.3228


■ 45.5413, 28.7745,
32.5165


■ 49.2799, 34.2318,
39.9893


■ 53.8893, 41.1877,
48.5021

■ 59.4242, 49.7437,
58.0969

 65.9346, 59.9924,
68.8132

 73.4668, 72.0192,
80.6883

 82.0640, 85.9039,
93.7573

 89.4873, 97.1621,
107.2945

Harmonies

Analogous

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



38.1885, 21.8844, 48.5377



40.4250, 21.8844, 20.5058



36.3902, 21.8844, 6.4776

Triad

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



40.4250, 21.8844, 20.5058



13.1896, 21.8844, 2.7626



14.8097, 21.8844, 90.6731

Complementary

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



40.4250, 21.8844, 20.5058



38.9898, 65.5821, 45.7334

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.



10.4532, 21.8844, 58.9143



40.4250, 21.8844, 20.5058



9.7017, 21.8844, 9.3600

Square

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



40.4250, 21.8844, 20.5058



19.6054, 21.8844, 1.3092



8.8478, 21.8844, 27.4918



22.0431, 21.8844, 101.2771

Rectangle

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



40.4250, 21.8844, 20.5058



31.1758, 21.8844, 2.8690



8.8478, 21.8844, 27.4918



13.0278, 21.8844, 81.4236

Sweetspot

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



40.4256, 21.8857, 20.5061



73.1124, 64.8046, 74.8285



31.6888, 15.9706, 83.8502



15.0779, 12.9718, 15.0759



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.



40.4256, 21.8857, 20.5061



43.8491, 22.4365, 15.2598



38.3428, 22.5510, 4.9184



16.0292, 15.8614, 17.7098



20.8384, 10.6078, 7.0658



1.7811, 0.9015, 0.8379

Inverse Universe

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



40.4256, 21.8857, 20.5061



43.8491, 22.4365, 15.2598



42.6069, 58.3751, 91.4597



16.0292, 15.8614, 17.7098



20.8384, 10.6078, 7.0658



1.7811, 0.9015, 0.8379

Previews

White Background



This preview shows how the XYZ color 40.4250, 21.8844, 20.5058 looks on a white background.

Color Contrast Check

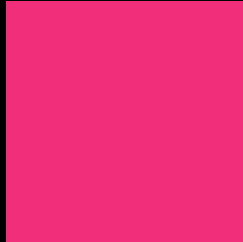
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4250, 21.8844, 20.5058 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 40.4250, 21.8844, 20.5058

Background



This preview shows how black text looks on a background with the XYZ color 40.4250, 21.8844, 20.5058.



This preview shows how white text looks on a background with the XYZ color 40.4250, 21.8844,

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

40.4250, 21.8844, 20.5058

Protanopia

22.3020, 22.1503, 39.6592

Deuteranopia

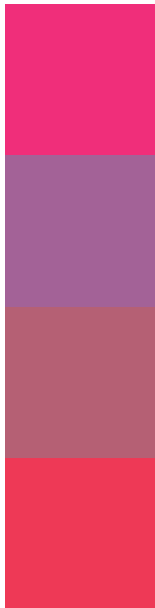
22.5270, 22.1554, 18.7119



Tritanopia

37.6567, 21.9412, 7.2514

Trichromacy



Original Color

40.4250, 21.8844, 20.5058

Protanomaly

25.0579, 18.7563, 31.5778

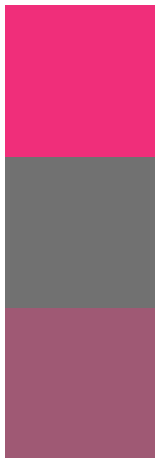
Deuteranomaly

26.3913, 19.4505, 18.8863

Tritanomaly

38.4027, 21.7753, 10.9831

Monochromacy



Original Color

40.4250, 21.8844, 20.5058

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

21.0228, 15.7766, 18.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4250, 21.8844, 20.5058 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(240, 46, 122)` looks like.

```
.text, #text, p{  
    color:rgb(240, 46, 122)  
}
```

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(240, 46, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 46, 122) }
```

Border

The CSS property to change the border of an element to XYZ 40.4250, 21.8844, 20.5058 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(240, 46, 122) }
```


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

```
.border{ border-color:rgb(240, 46, 122) }
```

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

Here you see how a box with a 4 pixel rgb(240, 46, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 46, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 46, 122);  
box-shadow:4px 4px 4px 4px rgb(240, 46,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4250, 21.8844, 20.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 46, 122) }
```

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

```
.background{ background-color: rgb(240, 46,  
122) }
```

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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