

Converting Colors

XYZ(40.6541, 20.6064, 38.7729)

Have a look what the booklet for
XYZ(40.6541, 20.6064, 38.7729)
contains.

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Color

**XYZ(40.6530, 20.5958,
38.8785)**

Conversions

Conversions Part 1

Format	Color
Hex	E817A8
RGB	232, 23, 168
RGB Percent	91%, 9%, 66%
CMY	0.0902, 0.9097, 0.3412
CMYK	0.00, 0.90, 0.28, 0.09
HSL	318°, 82%, 50%
HSV	318°, 90%, 91%
XYZ	40.6530, 20.5958, 38.8785
YIQ	102.0210, 78.0190, 89.4030

Conversions

Conversions Part 2

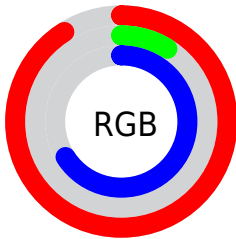
Format	Color
RYB	232, 23, 168
Decimal	15210408
CIELab	52.50, 81.45, -23.78
CIElCh	53, 84.845, 343.725
Yxy	20.5958, 0.4060, 0.2057
Android (android.graphics.Color)	4293400488 (0xFFE817A8)
YUV	102.0210, 32.5276, 113.9916
Hunter-Lab	45.3826, 80.4779, -19.0249

Details

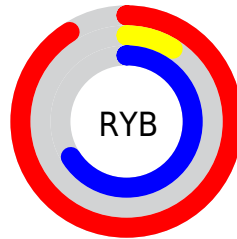
The XYZ color **40.6530, 20.5958, 38.8785** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.9321, 58.5844, 18.7005**, and the grayscale version is **12.5422, 13.1954, 14.3698**.

A 20% lighter version of the original color is **59.3107, 36.0905, 73.6522**, and **19.9470, 9.9189, 17.3862** is the 20% darker color. If you saturate the color by 10%, you get **39.7072, 19.7272, 35.4090**, and if you desaturate by 10%, it is **42.0130, 22.2270, 42.6877**.

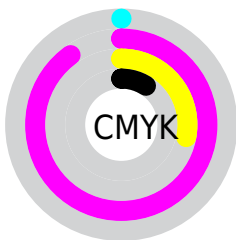
Distribution



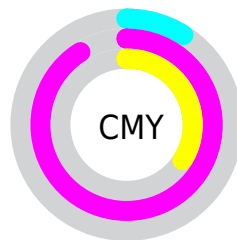
- Red (91%)
- Green (9%)
- Blue (66%)



- Red (91%)
- Yellow (9%)
- Blue (66%)



- Cyan (0%)
- Magenta (90%)
- Yellow (28%)
- Black (9%)




- Cyan (9%)
- Magenta (91%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6530, 20.5958, 38.8785 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 40.6530, 20.5958, 38.8785 by changing the saturation by 10% instead.

 40.6530, 20.5958,
38.8785


 40.6530, 20.5958,
38.8785


339.9557,
255.1225, 356.7842


 28.2345, 12.8289,
26.3581


 75.4349, 44.4139,
74.6710


 18.6439, 7.3108,
16.8636


 98.5290, 61.2338,
98.7801

 11.5157, 3.6572,
9.9763


 125.9124, 81.8401,
127.5893

 6.4847, 1.4837,
5.2779

 157.9504,
106.6173, 161.5170

 3.1854, 0.2772,
2.3496

 195.0084,
135.9498, 200.9818

 1.2526, 0.0000,
0.7588

237.4517,

 0.1473, 0.0000,

170.2219, 246.4023

0.0000

285.6456,
209.8180, 298.1969

■ 0.0000, 0.0000,
0.0000

■ 40.6530, 20.5958,
38.8785

■ 40.6530, 20.5958,
38.8785

■ 39.7072, 19.7272,
35.4090

■ 42.0130, 22.2270,
42.6877

■ 43.8986, 24.8511,
46.8533

■ 46.3802, 28.6073,
51.4014

■ 49.5162, 33.6118,
56.3543

■ 53.3579, 39.9662,
61.7314

■ 57.9511, 47.7617,
67.5509

■ 63.3380, 57.0814,
73.8289

■ 69.5572, 68.0022,
80.5811

■ 76.6451, 80.5956,
87.8218

Harmonies

Analogous

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



33.7094, 20.5958, 78.6180



40.6530, 20.5958, 38.8785



40.9702, 20.5958, 12.8021

Triad

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



40.6530, 20.5958, 38.8785



15.8387, 20.5958, 0.5664



9.7379, 20.5958, 75.1608

Complementary

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



40.6530, 20.5958, 38.8785



30.9321, 58.5844, 18.7005

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.



7.3329, 20.5958, 35.9572



40.6530, 20.5958, 38.8785



10.0751, 20.5958, 2.4936

Square

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



40.6530, 20.5958, 38.8785



24.6958, 20.5958, 0.6348



7.4344, 20.5958, 11.4252



15.2172, 20.5958, 108.1598

Rectangle

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



40.6530, 20.5958, 38.8785



37.2319, 20.5958, 4.8721



7.4344, 20.5958, 11.4252



8.6277, 20.5958, 61.3818

Sweetspot

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



40.6537, 20.5969, 38.8789



73.6694, 62.3766, 85.9342



18.6845, 8.4053, 76.9817



15.3058, 12.5563, 17.8379



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.



40.6537, 20.5969, 38.8789



49.1662, 24.4305, 43.6688



34.5347, 18.1494, 6.6571



14.7973, 14.5361, 17.1329



22.1025, 10.9752, 19.9668



1.6743, 0.8274, 1.6914

Inverse Universe

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



40.6537, 20.5969, 38.8789



49.1662, 24.4305, 43.6688



38.5275, 61.6226, 58.6970



14.7973, 14.5361, 17.1329



22.1025, 10.9752, 19.9668



1.6743, 0.8274, 1.6914

Previews

White Background



This preview shows how the XYZ color 40.6530, 20.5958, 38.8785 looks on a white background.

Color Contrast Check

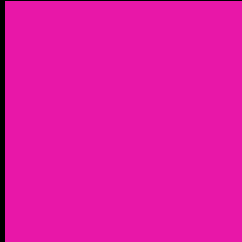
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6530, 20.5958, 38.8785 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 40.6530, 20.5958, 38.8785

Background



This preview shows how black text looks on a background with the XYZ color 40.6530, 20.5958, 38.8785.



This preview shows how white text looks on a background with the XYZ color 40.6530, 20.5958,

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

40.6530, 20.5958, 38.8785

Protanopia

24.3466, 21.1334, 82.1528

Deuteranopia

21.3195, 20.9872, 34.8256



Tritanopia

34.3492, 20.7317, 8.3221

Trichromacy



Original Color

40.6530, 20.5958, 38.8785



Protanomaly

23.6898, 15.7943, 63.4280



Deuteranomaly

24.7415, 17.0710, 35.7092



Tritanomaly

35.8767, 20.0115, 15.8816

Monochromacy



Original Color

40.6530, 20.5958, 38.8785



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

18.5429, 12.6610, 21.2052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6530, 20.5958, 38.8785 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(232, 23, 168)` looks like.

```
.text, #text, p{  
    color:rgb(232, 23, 168)  
}
```

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(232, 23, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 23, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.6530, 20.5958, 38.8785 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(232, 23, 168) }
```


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

```
.border{ border-color:rgb(232, 23, 168) }
```

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

Here you see how a box with a 4 pixel rgb(232, 23, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 23, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 23, 168);  
box-shadow:4px 4px 4px 4px rgb(232, 23,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6530, 20.5958, 38.8785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 23, 168) }
```

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

```
.background{ background-color: rgb(232, 23,  
168) }
```

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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