

Converting Colors

XYZ(40.3494, 20.6899, 6.9033)

Have a look what the booklet for
XYZ(40.3494, 20.6899, 6.9033)
contains.

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Color

**XYZ(40.3785, 20.7056,
6.8694)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0041
RGB	250, 0, 65
RGB Percent	98%, 0%, 25%
CMY	0.0196, 0.9998, 0.7451
CMYK	0.00, 1.00, 0.74, 0.02
HSL	344°, 100%, 49%
HSV	344°, 100%, 98%
XYZ	40.3785, 20.7056, 6.8694
YIQ	82.1600, 128.1350, 73.2150

Conversions

Conversions Part 2

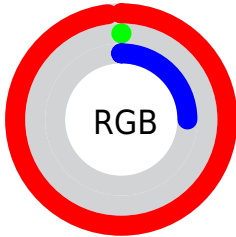
Format	Color
R_{YB}	250, 0, 65
Decimal	16384065
CIE Lab	52.63, 80.07, 38.70
CIE LCh	53, 88.934, 25.796
Yxy	20.7056, 0.5942, 0.3047
Android (android.graphics.Color)	4294574145 (0xFFFA0041)
YUV	82.1600, -8.4599, 147.1957
Hunter-Lab	45.5034, 78.7651, 22.9017

Details

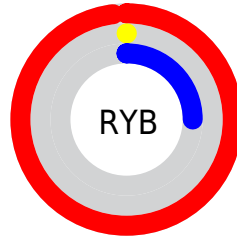
The XYZ color **40.3785, 20.7056, 6.8694** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.9498, 71.8767, 57.5434**, and the grayscale version is **8.0575, 8.4771, 9.2316**.

A 20% lighter version of the original color is **48.4035, 30.8180, 19.0201**, and **19.9218, 10.2522, 1.7395** is the 20% darker color. If you saturate the color by 10%, you get **40.3769, 20.7050, 6.8623**, and if you desaturate by 10%, it is **41.3540, 21.6542, 10.2863**.

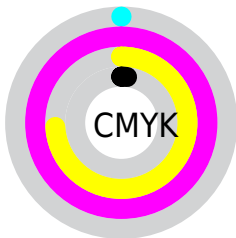
Distribution



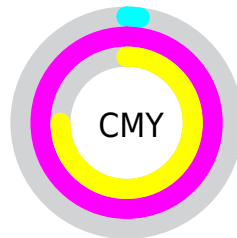
- Red (98%)
- Green (0%)
- Blue (25%)



- Red (98%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3785, 20.7056, 6.8694 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 40.3785, 20.7056, 6.8694 by changing the saturation by 10% instead.


 40.3785, 20.7056,
6.8694


 40.3785, 20.7056,
6.8694

338.8234,
255.7098, 176.1636


 28.0193, 12.9090,
3.3034


 75.0202, 44.5971,
20.2184

 18.4807, 7.3659,
1.2515


 98.0334, 61.4607,
30.8384

 11.3975, 3.6920,
0.0216


 125.3287, 82.1154,
44.6468

 6.4041, 1.5028,
0.0000

 157.2714,
106.9457, 62.0621

 3.1353, 0.2907,
0.0000

 194.2269,
136.3358, 83.5029

 1.2257, 0.0000,
0.0000

 236.5605,

 0.1265, 0.0000,

170.6703, 109.3877

0.0000

284.6375,
210.3335, 140.1351

■ 0.0000, 0.0000,
0.0000

■ 40.3785, 20.7056,
6.8694

■ 40.3785, 20.7056,
6.8694

■ 40.3769, 20.7050,
6.8623

■ 41.3540, 21.6542,
10.2863

■ 42.9662, 23.5700,
14.8577

■ 45.3659, 26.7332,
20.7023

■ 48.6489, 31.3149,
27.9135

■ 52.8963, 37.4593,
36.5754

■ 58.1797, 45.2923,
46.7646

■ 64.5638, 54.9273,
58.5521

■ 72.1079, 66.4674,
72.0044

■ 80.8667, 80.0083,
87.1840

Harmonies

Analogous

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



43.2218, 20.7056, 26.4807



40.3785, 20.7056, 6.8694



31.4399, 20.7056, 1.2212

Triad

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



40.3785, 20.7056, 6.8694



8.3473, 20.7056, 4.3415



18.4073, 20.7056, 120.7471

Complementary

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



40.3785, 20.7056, 6.8694



42.9498, 71.8767, 57.5434

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.



11.2931, 20.7056, 96.1410



40.3785, 20.7056, 6.8694



6.7547, 20.7056, 19.0198

Square

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



40.3785, 20.7056, 6.8694



12.9220, 20.7056, 0.7454



7.6340, 20.7056, 52.6925



28.4594, 20.7056, 106.2779

Rectangle

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



40.3785, 20.7056, 6.8694



24.3649, 20.7056, 0.3159



7.6340, 20.7056, 52.6925



15.6379, 20.7056, 116.4600

Sweetspot

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



40.3790, 20.7069, 6.8697



67.4965, 57.3947, 61.1745



36.8677, 17.0137, 91.7828



13.8134, 11.3246, 11.9362



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.



40.3790, 20.7069, 6.8697



42.2308, 21.6563, 7.1477



40.9568, 23.3888, 2.3576



17.4297, 17.2992, 18.8525



21.4669, 11.0025, 3.9010



2.0296, 1.0356, 0.5792

Inverse Universe

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



40.3790, 20.7069, 6.8697



42.2308, 21.6563, 7.1477



36.0357, 44.4618, 97.1247



17.4297, 17.2992, 18.8525



21.4669, 11.0025, 3.9010



2.0296, 1.0356, 0.5792

Previews

White Background



This preview shows how the XYZ color 40.3785, 20.7056, 6.8694 looks on a white background.

Color Contrast Check

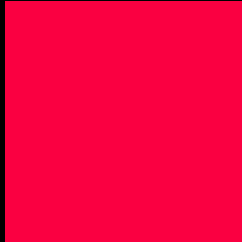
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3785, 20.7056, 6.8694 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 40.3785, 20.7056, 6.8694

Background



This preview shows how black text looks on a background with the XYZ color 40.3785, 20.7056, 6.8694.



This preview shows how white text looks on a background with the XYZ color 40.3785, 20.7056,

6.8694.

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

40.3785, 20.7056, 6.8694

Protanopia

19.9473, 21.2948, 14.6142

Deuteranopia

21.5355, 21.1829, 6.0856



Tritanopia

39.5680, 20.9673, 2.5339

Trichromacy



Original Color

40.3785, 20.7056, 6.8694



Protanomaly

22.7536, 15.9039, 10.6746



Deuteranomaly

24.8535, 16.6696, 5.6490



Tritanomaly

39.5707, 20.6620, 3.4927

Monochromacy



Original Color

40.3785, 20.7056, 6.8694



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.8602, 8.8174, 7.8089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3785, 20.7056, 6.8694 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(250, 0, 65)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 65)  
}
```

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(250, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 40.3785, 20.7056, 6.8694 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(250, 0, 65) }
```


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

```
.border{ border-color:rgb(250, 0, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.3785, 20.7056, 6.8694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 65) }
```

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

```
.background{ background-color: rgb(250, 0,  
65) }
```

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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