

Converting Colors

XYZ(38.7727, 17.1967, 7.1417)

Have a look what the booklet for
XYZ(38.7727, 17.1967, 7.1417)
contains.

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Color

**XYZ(40.5298, 20.7662,
7.6665)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0046
RGB	250, 0, 70
RGB Percent	98%, 0%, 27%
CMY	0.0196, 0.9997, 0.7255
CMYK	0.00, 1.00, 0.72, 0.02
HSL	343°, 100%, 49%
HSV	343°, 100%, 98%
XYZ	40.5298, 20.7662, 7.6665
YIQ	82.7300, 126.5300, 74.7700

Conversions

Conversions Part 2

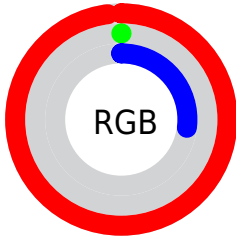
Format	Color
RYB	250, 0, 70
Decimal	16384070
CIELab	52.69, 80.25, 35.85
CIElCh	53, 87.895, 24.071
Yxy	20.7662, 0.5877, 0.3011
Android (android.graphics.Color)	4294574150 (0xFFFA0046)
YUV	82.7300, -6.2759, 146.6958
Hunter-Lab	45.5699, 79.0101, 21.9243

Details

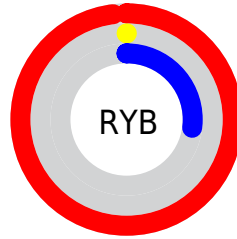
The XYZ color **40.5298, 20.7662, 7.6665** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.4312, 71.6691, 54.8129**, and the grayscale version is **8.1691, 8.5945, 9.3595**.

A 20% lighter version of the original color is **48.7847, 31.1174, 20.5746**, and **19.9650, 10.2695, 1.9668** is the 20% darker color. If you saturate the color by 10%, you get **40.5280, 20.7654, 7.6584**, and if you desaturate by 10%, it is **41.5348, 21.7267, 11.2382**.

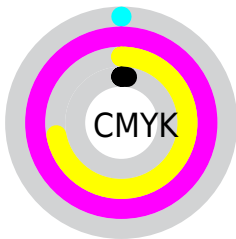
Distribution



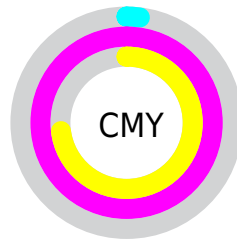
- Red (98%)
- Green (0%)
- Blue (27%)



- Red (98%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5298, 20.7662, 7.6665 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 40.5298, 20.7662, 7.6665 by changing the saturation by 10% instead.

 40.5298, 20.7662,
7.6665


 40.5298, 20.7662,
7.6665


339.4478,
256.0334, 182.9281


 28.1379, 12.9532,
3.7976


 75.2488, 44.6981,
21.8373

 18.5706, 7.3963,
1.5150


 98.3067, 61.5858,
32.9762

 11.4626, 3.7112,
0.2290


 125.6505, 82.2672,
47.3757

 6.4485, 1.5133,
0.0000

 157.6458,
107.1267, 65.4540

 3.1629, 0.2981,
0.0000

 194.6578,
136.5486, 87.6299

 1.2405, 0.0000,
0.0000

 237.0519,

 0.1380, 0.0000,

170.9175, 114.3219

0.0000

285.1935,
210.6176, 145.9484

■ 0.0000, 0.0000,
0.0000

■ 40.5298, 20.7662,
7.6665

■ 40.5298, 20.7662,
7.6665

■ 40.5280, 20.7654,
7.6584

■ 41.5348, 21.7267,
11.2382

■ 43.1696, 23.6517,
15.9284

■ 45.5837, 26.8208,
21.8481

■ 48.8717, 31.4048,
29.0848

■ 53.1135, 37.5472,
37.7168

■ 58.3800, 45.3737,
47.8159

■ 64.7348, 54.9972,
59.4485

■ 72.2365, 66.5207,
72.6768

■ 80.9392, 80.0394,
87.5596

Harmonies

Analogous

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



42.8917, 20.7662, 28.2202



40.5298, 20.7662, 7.6665



31.9530, 20.7662, 1.4369

Triad

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



40.5298, 20.7662, 7.6665



8.6515, 20.7662, 4.0678



17.9769, 20.7662, 118.7383

Complementary

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



40.5298, 20.7662, 7.6665



42.4312, 71.6691, 54.8129

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.



11.1156, 20.7662, 92.7770



40.5298, 20.7662, 7.6665



6.9083, 20.7662, 17.7989

Square

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



40.5298, 20.7662, 7.6665



13.4014, 20.7662, 0.7409



7.6455, 20.7662, 49.9849



27.8099, 20.7662, 106.7542

Rectangle

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



40.5298, 20.7662, 7.6665



24.9656, 20.7662, 0.4425



7.6455, 20.7662, 49.9849



15.2958, 20.7662, 113.7824

Sweetspot

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



40.5303, 20.7675, 7.6668



67.6743, 57.4658, 62.1107



35.8892, 16.5094, 91.7368



13.8546, 11.3411, 12.1531



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.



40.5303, 20.7675, 7.6668



42.3886, 21.7194, 7.9785



40.7538, 22.9828, 2.2901



17.4442, 17.3050, 18.9289



21.5499, 11.0357, 4.3383



2.0390, 1.0393, 0.6286

Inverse Universe

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



40.5303, 20.7675, 7.6668



42.3886, 21.7194, 7.9785



36.9616, 46.3136, 97.4331



17.4442, 17.3050, 18.9289



21.5499, 11.0357, 4.3383



2.0390, 1.0393, 0.6286

Previews

White Background



This preview shows how the XYZ color 40.5298, 20.7662, 7.6665 looks on a white background.

Color Contrast Check

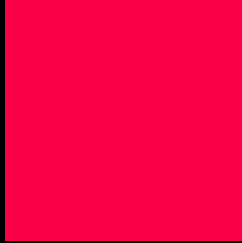
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5298, 20.7662, 7.6665 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 40.5298, 20.7662, 7.6665

Background



This preview shows how black text looks on a background with the XYZ color 40.5298, 20.7662, 7.6665.



This preview shows how white text looks on a background with the XYZ color 40.5298, 20.7662,

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

40.5298, 20.7662, 7.6665

Protanopia

20.0797, 21.3291, 16.1553

Deuteranopia

21.4805, 21.1383, 6.8188



Tritanopia

39.6511, 21.0764, 2.7374

Trichromacy



Original Color

40.5298, 20.7662, 7.6665



Protanomaly

23.0057, 16.0047, 12.0019



Deuteranomaly

25.0092, 16.7319, 6.4689



Tritanomaly

39.6494, 20.7188, 3.8288

Monochromacy



Original Color

40.5298, 20.7662, 7.6665



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

14.1498, 9.0256, 8.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5298, 20.7662, 7.6665 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 40.5298, 20.7662, 7.6665 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, 70) }
```


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

```
.border{ border-color:rgb(250, 0, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.5298, 20.7662, 7.6665 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, 70) }
```

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

```
.background{ background-color: rgb(250, 0,  
70) }
```

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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