

Converting Colors

XYZ(40.0393, 20.5658, 5.2703)

Have a look what the booklet for
XYZ(40.0393, 20.5658, 5.2703)
contains.

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Color

**XYZ(40.0669, 20.5810,
5.2289)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0035
RGB	250, 0, 53
RGB Percent	98%, 0%, 21%
CMY	0.0196, 0.9997, 0.7922
CMYK	0.00, 1.00, 0.79, 0.02
HSL	347°, 100%, 49%
HSV	347°, 100%, 98%
XYZ	40.0669, 20.5810, 5.2289
YIQ	80.7920, 131.9870, 69.4830

Conversions

Conversions Part 2

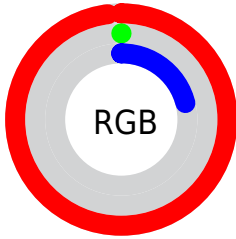
Format	Color
R_{YB}	250, 0, 53
Decimal	16384053
CIE _{Lab}	52.49, 79.70, 45.39
CIE _{LCh}	52, 91.714, 29.661
Yxy	20.5810, 0.6082, 0.3124
Android (android.graphics.Color)	4294574133 (0xFFFA0035)
YUV	80.7920, -13.7015, 148.3954
Hunter-Lab	45.3663, 78.2578, 24.9227

Details

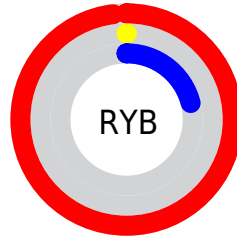
The XYZ color **40.0669, 20.5810, 5.2289** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.2717, 72.4053, 64.5049**, and the grayscale version is **7.7951, 8.2011, 8.9310**.

A 20% lighter version of the original color is **47.7231, 30.5458, 15.4372**, and **19.8220, 10.2123, 1.2136** is the 20% darker color. If you saturate the color by 10%, you get **40.0654, 20.5804, 5.2226**, and if you desaturate by 10%, it is **40.9659, 21.4991, 8.2428**.

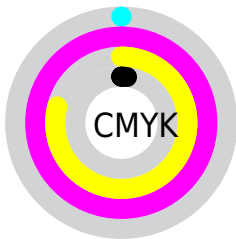
Distribution



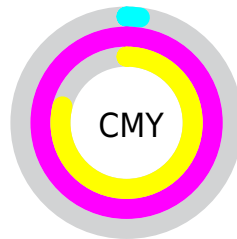
- Red (98%)
- Green (0%)
- Blue (21%)



- Red (98%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0669, 20.5810, 5.2289 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 40.0669, 20.5810, 5.2289 by changing the saturation by 10% instead.


 40.0669, 20.5810,
5.2289


 40.0669, 20.5810,
5.2289


337.5350,
255.0433, 161.0368


 27.7752, 12.8181,
2.3211


 74.5491, 44.3892,
16.7572

 18.2958, 7.3034,
0.7430


 97.4702, 61.2032,
26.2148

 11.2636, 3.6526,
0.0000


 124.6652, 81.8030,
38.6928

 6.3130, 1.4812,
0.0000

 156.4993,
106.5731, 54.6097

 3.0788, 0.2754,
0.0000

 193.3380,
135.8977, 74.3840

 1.1956, 0.0000,
0.0000

 235.5467,

 0.1029, 0.0000,

170.1614, 98.4342

0.0000

283.4906,
209.7484, 127.1790

■ 0.0000, 0.0000,
0.0000

■ 40.0669, 20.5810,
5.2289

■ 40.0669, 20.5810,
5.2289

■ 40.0654, 20.5804,
5.2226

■ 40.9659, 21.4991,
8.2428

■ 42.5172, 23.3906,
12.4935

■ 44.8757, 26.5374,
18.1200

■ 48.1401, 31.1119,
25.2335

■ 52.3947, 37.2593,
33.9328

■ 57.7136, 45.1067,
44.3082

■ 64.1638, 54.7682,
56.4429

■ 71.8065, 66.3481,
70.4143

■ 80.6986, 79.9425,
86.2954

Harmonies

Analogous

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



44.0441, 20.5810, 22.7198



40.0669, 20.5810, 5.2289



30.2918, 20.5810, 0.7930

Triad

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



40.0669, 20.5810, 5.2289



7.6684, 20.5810, 5.0286



19.4539, 20.5810, 125.6770

Complementary

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



40.0669, 20.5810, 5.2289



44.2717, 72.4053, 64.5049

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.



11.7219, 20.5810, 104.4314



40.0669, 20.5810, 5.2289



6.4074, 20.5810, 22.1015

Square

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



40.0669, 20.5810, 5.2289



11.8553, 20.5810, 0.7550



7.6107, 20.5810, 59.4528



30.0423, 20.5810, 105.2964

Rectangle

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



40.0669, 20.5810, 5.2289



23.0197, 20.5810, 0.0190



7.6107, 20.5810, 59.4528



16.4685, 20.5810, 123.0225

Sweetspot

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



40.0673, 20.5823, 5.2292



67.0767, 57.2268, 58.9639



39.9811, 18.6188, 91.9283



13.7165, 11.2858, 11.4258



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.



40.0673, 20.5823, 5.2292



41.9060, 21.5264, 5.4372



41.6700, 24.8153, 2.5955



17.3950, 17.2854, 18.6698



21.2943, 10.9335, 2.9924



2.0092, 1.0274, 0.4719

Inverse Universe

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



40.0673, 20.5823, 5.2292



41.9060, 21.5264, 5.4372



33.4132, 39.2169, 96.2503



17.3950, 17.2854, 18.6698



21.2943, 10.9335, 2.9924



2.0092, 1.0274, 0.4719

Previews

White Background



This preview shows how the XYZ color 40.0669, 20.5810, 5.2289 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



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 40.0669, 20.5810, 5.2289

Background



This preview shows how black text looks on a background with the XYZ color 40.0669, 20.5810, 5.2289.



This preview shows how white text looks on a background with the XYZ color 40.0669, 20.5810,

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

40.0669, 20.5810, 5.2289

Protanopia

19.5558, 21.1761, 10.8413

Deuteranopia

21.3330, 20.9312, 4.5848



Tritanopia

39.3867, 20.7267, 2.0970

Trichromacy



Original Color

40.0669, 20.5810, 5.2289



Protanomaly

22.6702, 15.9235, 7.8399



Deuteranomaly

24.7406, 16.5425, 4.0795



Tritanomaly

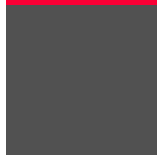
39.3786, 20.5157, 2.6950

Monochromacy



Original Color

40.0669, 20.5810, 5.2289



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.5207, 8.6617, 6.9205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0669, 20.5810, 5.2289 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, 53)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.0669, 20.5810, 5.2289 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, 53) }
```


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

```
.border{ border-color:rgb(250, 0, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.0669, 20.5810, 5.2289 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, 53) }
```

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

```
.background{ background-color: rgb(250, 0,  
53) }
```

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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