

Converting Colors

XYZ(40.1333, 20.6034, 5.7653)

Have a look what the booklet for
XYZ(40.1333, 20.6034, 5.7653)
contains.

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Color

**XYZ(40.1629, 20.6194,
5.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0039
RGB	250, 0, 57
RGB Percent	98%, 0%, 22%
CMY	0.0196, 0.9997, 0.7765
CMYK	0.00, 1.00, 0.77, 0.02
HSL	346°, 100%, 49%
HSV	346°, 100%, 98%
XYZ	40.1629, 20.6194, 5.7340
YIQ	81.2480, 130.7030, 70.7270

Conversions

Conversions Part 2

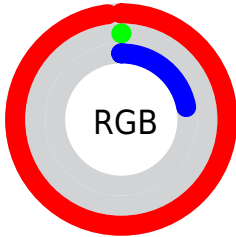
Format	Color
R_{YB}	250, 0, 57
Decimal	16384057
CIE Lab	52.53, 79.81, 43.19
CIE LCh	53, 90.749, 28.420
Yxy	20.6194, 0.6038, 0.3100
Android (android.graphics.Color)	4294574137 (0xFFFA0039)
YUV	81.2480, -11.9543, 147.9955
Hunter-Lab	45.4086, 78.4143, 24.2991

Details

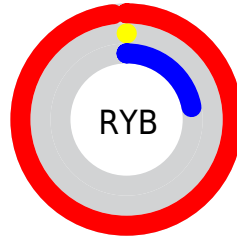
The XYZ color **40.1629, 20.6194, 5.7340** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.8191, 72.2244, 62.1213**, and the grayscale version is **7.8821, 8.2926, 9.0306**.

A 20% lighter version of the original color is **47.9216, 30.6252, 16.4822**, and **19.8534, 10.2248, 1.3791** is the 20% darker color. If you saturate the color by 10%, you get **40.1614, 20.6188, 5.7274**, and if you desaturate by 10%, it is **41.0883, 21.5480, 8.8868**.

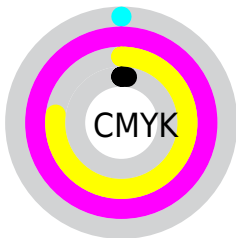
Distribution



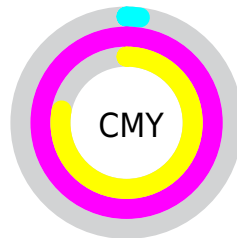
- Red (98%)
- Green (0%)
- Blue (22%)



- Red (98%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1629, 20.6194, 5.7340 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 40.1629, 20.6194, 5.7340 by changing the saturation by 10% instead.


 40.1629, 20.6194,
5.7340


 40.1629, 20.6194,
5.7340


337.9323,
255.2488, 165.8959


 27.8504, 12.8461,
2.6179


 74.6943, 44.4532,
17.8443


 18.3528, 7.3226,
0.9017


 97.6438, 61.2826,
27.6755

 11.3048, 3.6647,
0.0000


 124.8697, 81.8993,
40.5821

 6.3410, 1.4878,
0.0000

 156.7374,
106.6880, 56.9828

 3.0961, 0.2801,
0.0000

 193.6121,
136.0328, 77.2959

 1.2048, 0.0000,
0.0000

 235.8593,

 0.1102, 0.0000,

170.3183, 101.9401

0.0000

283.8442,
209.9289, 131.3340

■ 0.0000, 0.0000,
0.0000

■ 40.1629, 20.6194,
5.7340

■ 40.1629, 20.6194,
5.7340

■ 40.1614, 20.6188,
5.7274

■ 41.0883, 21.5480,
8.8868

■ 42.6609, 23.4481,
13.2499

■ 45.0343, 26.6008,
18.9550

■ 48.3060, 31.1782,
26.1069

■ 52.5593, 37.3250,
34.7992

■ 57.8673, 45.1680,
45.1174

■ 64.2962, 54.8210,
57.1405

■ 71.9067, 66.3879,
70.9420

■ 80.7548, 79.9647,
86.5913

Harmonies

Analogous

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



43.7666, 20.6194, 23.9080



40.1629, 20.6194, 5.7340



30.6609, 20.6194, 0.9270

Triad

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



40.1629, 20.6194, 5.7340



7.8863, 20.6194, 4.7958



19.1042, 20.6194, 124.0232

Complementary

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



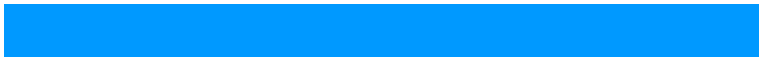
40.1629, 20.6194, 5.7340



43.8191, 72.2244, 62.1213

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.



11.5791, 20.6194, 101.6445



40.1629, 20.6194, 5.7340



6.5196, 20.6194, 21.0545

Square

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



40.1629, 20.6194, 5.7340



12.1972, 20.6194, 0.7521



7.6179, 20.6194, 57.1670



29.5129, 20.6194, 105.5987

Rectangle

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



40.1629, 20.6194, 5.7340



23.4522, 20.6194, 0.1166



7.6179, 20.6194, 57.1670



16.1912, 20.6194, 120.8221

Sweetspot

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



40.1634, 20.6207, 5.7343



67.2155, 57.2823, 59.6947



38.9136, 18.0685, 91.8785



13.7485, 11.2986, 11.5943



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.



40.1634, 20.6207, 5.7343



42.0060, 21.5664, 5.9636



41.4147, 24.3045, 2.5103



17.4065, 17.2900, 18.7306



21.3477, 10.9548, 3.2734



2.0157, 1.0300, 0.5060

Inverse Universe

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



40.1634, 20.6207, 5.7343



42.0060, 21.5664, 5.9636



34.2619, 40.9142, 96.5334



17.4065, 17.2900, 18.7306



21.3477, 10.9548, 3.2734



2.0157, 1.0300, 0.5060

Previews

White Background



This preview shows how the XYZ color 40.1629, 20.6194, 5.7340 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 40.1629, 20.6194, 5.7340

Background



This preview shows how black text looks on a background with the XYZ color 40.1629, 20.6194, 5.7340.



This preview shows how white text looks on a background with the XYZ color 40.1629, 20.6194,

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

40.1629, 20.6194, 5.7340

Protanopia

19.6262, 21.1852, 12.0716

Deuteranopia

21.4148, 20.9640, 5.0156



Tritanopia

39.4599, 20.8195, 2.2866

Trichromacy



Original Color

40.1629, 20.6194, 5.7340



Protanomaly

22.6070, 15.8716, 8.7095



Deuteranomaly

24.8358, 16.5806, 4.5807



Tritanomaly

39.4473, 20.5652, 2.9890

Monochromacy



Original Color

40.1629, 20.6194, 5.7340



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.5530, 8.6746, 7.0909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1629, 20.6194, 5.7340 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 40.1629, 20.6194, 5.7340 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, 57) }
```


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

```
.border{ border-color:rgb(250, 0, 57) }
```

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, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.1629, 20.6194, 5.7340 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, 57) }
```

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

```
.background{ background-color: rgb(250, 0,  
57) }
```

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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