

Converting Colors

XYZ(38.0597, 20.0030, 2.5645)

Have a look what the booklet for
XYZ(38.0597, 20.0030, 2.5645)
contains.

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Color

**XYZ(38.0597, 20.0030,
2.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	F51515
RGB	245, 21, 21
RGB Percent	96%, 8%, 8%
CMY	0.0392, 0.9175, 0.9176
CMYK	0.00, 0.91, 0.91, 0.04
HSL	0°, 92%, 52%
HSV	0°, 91%, 96%
XYZ	38.0597, 20.0030, 2.5645
YIQ	87.9760, 133.5040, 47.4880

Conversions

Conversions Part 2

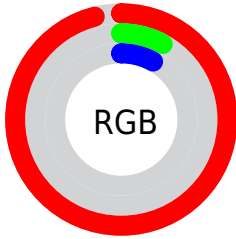
Format	Color
R_{YB}	245, 21, 21
Decimal	16061717
CIE Lab	51.84, 76.12, 59.64
CIE LCh	52, 96.699, 38.078
Yxy	20.0030, 0.6278, 0.3299
Android (android.graphics.Color)	4294251797 (0xFFFF51515)
YUV	87.9760, -33.0192, 137.7100
Hunter-Lab	44.7247, 73.6311, 27.9076

Details

The XYZ color **38.0597, 20.0030, 2.5645** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **49.4308, 72.0324, 97.6837**, and the grayscale version is **9.3246, 9.8102, 10.6834**.

A 20% lighter version of the original color is **46.8392, 30.6386, 9.4064**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **37.6563, 19.4132, 1.7624**, and if you desaturate by 10%, it is **39.0982, 21.5236, 4.6273**.

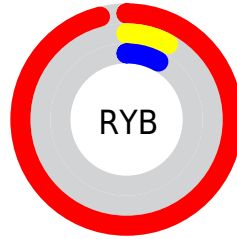
Distribution



Red (96%)

Green (8%)

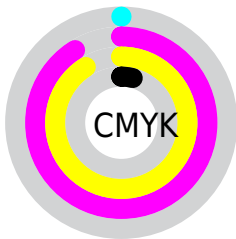
Blue (8%)



Red (96%)

Yellow (8%)

Blue (8%)

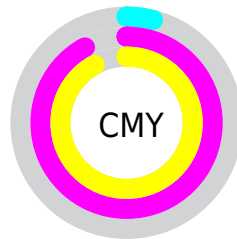


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (4%)



Cyan (4%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0597, 20.0030, 2.5645 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 38.0597, 20.0030, 2.5645 by changing the saturation by 10% instead.


 38.0597, 20.0030,
2.5645


 38.0597, 20.0030,
2.5645


329.1524,
251.9314, 130.6045


 26.2065, 12.3972,
0.8740


 71.5029, 43.4222,
10.5335


 17.1116, 7.0148,
0.0000


 93.8236, 60.0044,
17.6518

 10.4099, 3.4714,
0.0000


 120.3642, 80.3476,
27.4175

 5.7359, 1.3825,
0.0000

 151.4900,
104.8361, 40.2490

 2.7243, 0.2038,
0.0000

 187.5664,
133.8543, 56.5650


 1.0097, 0.0000,
0.0000


 228.9586,


 0.0000, 0.0000,


167.7867, 76.7838


0.0000


 276.0322,
207.0176, 101.3242


 38.0597, 20.0030,
2.5645


 38.0597, 20.0030,
2.5645


 37.6563, 19.4132,
1.7624

 39.0982, 21.5236,
4.6273

 40.9535, 24.2389,
8.3147

 43.7486, 28.3291,
13.8703

 47.5853, 33.9434,
21.4969

 52.5524, 41.2118,
31.3710

■ 58.7291, 50.2501,
43.6502

■ 66.1877, 61.1640,
58.4781

■ 74.9947, 74.0508,
75.9868

■ 85.2119, 89.0010,
96.2996

Harmonies

Analogous

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



44.4679, 20.0030, 15.0371



38.0597, 20.0030, 2.5645



26.9593, 20.0030, 0.0000

Triad

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



38.0597, 20.0030, 2.5645



6.3336, 20.0030, 7.1968



21.7877, 20.0030, 130.9812

Complementary

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



38.0597, 20.0030, 2.5645



49.4308, 72.0324, 97.6837

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.



12.8040, 20.0030, 120.1497



38.0597, 20.0030, 2.5645



5.7848, 20.0030, 30.2862

Square

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



38.0597, 20.0030, 2.5645



9.5909, 20.0030, 0.9272



7.6946, 20.0030, 74.9669



33.1783, 20.0030, 97.9757

Rectangle

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



38.0597, 20.0030, 2.5645



19.6520, 20.0030, 0.0000



7.6946, 20.0030, 74.9669



18.3866, 20.0030, 132.6602

Sweetspot

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



38.0601, 20.0043, 2.5648



67.7120, 59.9977, 54.5499



54.4053, 26.5412, 88.6409



13.9197, 12.0028, 10.5358



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.



38.0601, 20.0043, 2.5648



41.2405, 21.2610, 1.9302



46.1788, 36.2416, 5.2710



16.4994, 16.4830, 17.1095



20.2865, 10.4586, 0.9495



1.7831, 0.9194, 0.0835

Inverse Universe

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



49.4308, 72.0324, 97.6837



53.7957, 78.7115, 106.9652



25.1781, 23.5271, 89.5995



16.9965, 18.7573, 21.2673



26.4625, 38.7188, 52.6168



2.3259, 3.4032, 4.6245

Previews

White Background



This preview shows how the XYZ color 38.0597, 20.0030, 2.5645 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 38.0597, 20.0030, 2.5645 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 38.0597, 20.0030, 2.5645

Background



This preview shows how black text looks on a background with the XYZ color 38.0597, 20.0030, 2.5645.



This preview shows how white text looks on a background with the XYZ color 38.0597, 20.0030,

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

38.0597, 20.0030, 2.5645

Protanopia

18.3990, 20.3234, 5.1436

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

37.9869, 20.0038, 2.0887

Trichromacy



Original Color

38.0597, 20.0030, 2.5645

Protanomaly

22.0570, 16.3969, 3.5158

Deuteranomaly

24.1234, 17.0229, 2.2440

Tritanomaly

38.0157, 20.0154, 2.2405

Monochromacy



Original Color

38.0597, 20.0030, 2.5645

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.4359, 10.0567, 6.0308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0597, 20.0030, 2.5645 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(245, 21, 21)` looks like.

```
.text, #text, p{  
    color:rgb(245, 21, 21)  
}
```

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(245, 21, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 21, 21) }
```

Border

The CSS property to change the border of an element to XYZ 38.0597, 20.0030, 2.5645 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(245, 21, 21) }
```


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

```
.border{ border-color:rgb(245, 21, 21) }
```

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

Here you see how a box with a 4 pixel rgb(245, 21, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 21, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 21, 21);  
box-shadow:4px 4px 4px 4px rgb(245, 21,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0597, 20.0030, 2.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 21, 21) }
```

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

```
.background{ background-color: rgb(245, 21,  
21) }
```

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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