

Converting Colors

XYZ(38.4662, 20.2008, 4.1990)

Have a look what the booklet for
XYZ(38.4662, 20.2008, 4.1990)
contains.

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Color

**XYZ(38.3791, 20.1607,
4.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	F5162B
RGB	245, 22, 43
RGB Percent	96%, 9%, 17%
CMY	0.0392, 0.9136, 0.8314
CMYK	0.00, 0.91, 0.82, 0.04
HSL	354°, 92%, 52%
HSV	354°, 91%, 96%
XYZ	38.3791, 20.1607, 4.1541
YIQ	91.0710, 126.1670, 53.8070

Conversions

Conversions Part 2

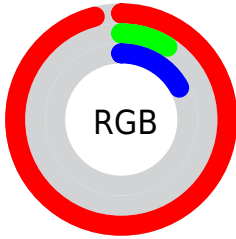
Format	Color
R_{YB}	245, 22, 43
Decimal	16061995
CIE Lab	52.02, 76.38, 49.94
CIE LCh	52, 91.260, 33.180
Yxy	20.1607, 0.6122, 0.3216
Android (android.graphics.Color)	4294252075 (0xFFFF5162B)
YUV	91.0710, -23.6990, 134.9957
Hunter-Lab	44.9007, 73.9977, 25.9451

Details

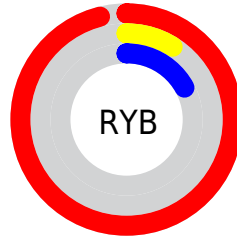
The XYZ color **38.3791, 20.1607, 4.1541** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **46.4433, 70.8590, 81.7760**, and the grayscale version is **9.9966, 10.5172, 11.4532**.

A 20% lighter version of the original color is **47.6426, 31.1125, 13.1671**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **37.8109, 19.4743, 2.5785**, and if you desaturate by 10%, it is **39.6138, 21.7925, 7.1495**.

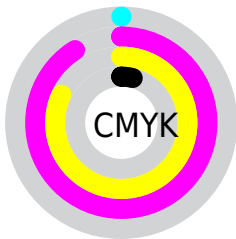
Distribution



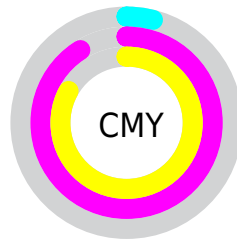
- Red (96%)
- Green (9%)
- Blue (17%)



- Red (96%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (91%)
- Yellow (82%)
- Black (4%)





- Cyan (4%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3791, 20.1607, 4.1541 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 38.3791, 20.1607, 4.1541 by changing the saturation by 10% instead.

 38.3791, 20.1607,
4.1541


 38.3791, 20.1607,
4.1541

330.4962,
252.7838, 149.9231


 26.4556, 12.5119,
1.7103


 71.9890, 43.6864,
14.3636


 17.2993, 7.0933,
0.3677


 94.4061, 60.3322,
22.9664

 10.5447, 3.5205,
0.0000


 121.0518, 80.7457,
34.4592

 5.8266, 1.4091,
0.0000

 152.2914,
105.3114, 49.2606

 2.7796, 0.2235,
0.0000

 188.4903,
134.4137, 67.7892

 1.0383, 0.0000,
0.0000

 230.0138,

 0.0000, 0.0000,

168.4369, 90.4634

0.0000

277.2273,
207.7654, 117.7019

■ 38.3791, 20.1607,
4.1541

■ 38.3791, 20.1607,
4.1541

■ 37.8109, 19.4743,
2.5785

■ 39.6138, 21.7925,
7.1495

■ 41.6479, 24.6181,
11.6580

■ 44.5888, 28.8107,
17.8459

■ 48.5270, 34.5143,
25.8574

■ 53.5419, 41.8544,
35.8210

■ 59.7049, 50.9437,
47.8535

■ 67.0811, 61.8846,
62.0627

■ 75.7309, 74.7718,
78.5488

■ 85.7106, 89.6936,
97.4057

Harmonies

Analogous

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



43.1566, 20.1607, 19.2296



38.3791, 20.1607, 4.1541



28.4226, 20.1607, 0.5764

Triad

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



38.3791, 20.1607, 4.1541



7.2183, 20.1607, 5.9977



20.1721, 20.1607, 123.1734

Complementary

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



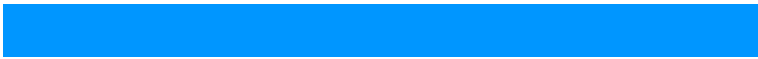
38.3791, 20.1607, 4.1541



46.4433, 70.8590, 81.7760

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.



12.1694, 20.1607, 106.7997



38.3791, 20.1607, 4.1541



6.2732, 20.1607, 24.9190

Square

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



38.3791, 20.1607, 4.1541



10.9428, 20.1607, 0.9303



7.7486, 20.1607, 63.6375



30.7180, 20.1607, 98.8431

Rectangle

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



38.3791, 20.1607, 4.1541



21.3665, 20.1607, 0.0000



7.7486, 20.1607, 63.6375



17.1148, 20.1607, 122.2798

Sweetspot

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



38.3795, 20.1620, 4.1544



68.4142, 60.2745, 58.2604



47.1089, 22.8086, 88.3050



14.0794, 12.0658, 11.3798



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.



38.3795, 20.1620, 4.1544



41.4046, 21.3258, 2.7968



43.5097, 30.8878, 4.4297



16.5624, 16.5078, 17.4422



20.3913, 10.5000, 1.5031



1.8132, 0.9312, 0.2425

Inverse Universe

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



38.3795, 20.1620, 4.1544



41.4046, 21.3258, 2.7968



28.6703, 30.4782, 90.7572



16.5624, 16.5078, 17.4422



20.3913, 10.5000, 1.5031



1.8132, 0.9312, 0.2425

Previews

White Background



This preview shows how the XYZ color 38.3791, 20.1607, 4.1541 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 38.3791, 20.1607, 4.1541

Background



This preview shows how black text looks on a background with the XYZ color 38.3791, 20.1607, 4.1541.



This preview shows how white text looks on a background with the XYZ color 38.3791, 20.1607,

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

38.3791, 20.1607, 4.1541

Protanopia

18.6633, 20.3908, 8.2624

Deuteranopia

20.7053, 20.2765, 3.4843



Tritanopia

38.1657, 20.2434, 2.5119

Trichromacy



Original Color

38.3791, 20.1607, 4.1541

Protanomaly

22.1579, 16.5150, 6.0229

Deuteranomaly

24.5381, 17.2175, 3.1286

Tritanomaly

38.2134, 20.1916, 2.9819

Monochromacy



Original Color

38.3791, 20.1607, 4.1541

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

15.2169, 10.5939, 7.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3791, 20.1607, 4.1541 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, 22, 43)` looks like.

```
.text, #text, p{  
    color:rgb(245, 22, 43)  
}
```

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, 22, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 22, 43) }
```

Border

The CSS property to change the border of an element to XYZ 38.3791, 20.1607, 4.1541 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, 22, 43) }
```


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

```
.border{ border-color:rgb(245, 22, 43) }
```

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

Here you see how a box with a 4 pixel rgb(245, 22, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 22, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 22, 43);  
box-shadow:4px 4px 4px 4px rgb(245, 22,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3791, 20.1607, 4.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 22, 43) }
```

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

```
.background{ background-color: rgb(245, 22,  
43) }
```

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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