

Converting Colors

XYZ(38.1853, 20.2042, 1.9044)

Have a look what the booklet for
XYZ(38.1853, 20.2042, 1.9044)
contains.

XYZ(38.3591, 20.2903, 1.9234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3591, 20.2903,
1.9234)**

Conversions

Conversions Part 1

Format	Color
Hex	F61901
RGB	246, 25, 1
RGB Percent	96%, 10%, 0%
CMY	0.0353, 0.9018, 0.9961
CMYK	0.00, 0.90, 1.00, 0.04
HSL	6°, 99%, 48%
HSV	6°, 100%, 96%
XYZ	38.3591, 20.2903, 1.9234
YIQ	88.3430, 139.4200, 39.3880

Conversions

Conversions Part 2

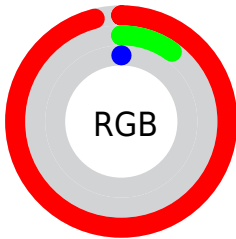
Format	Color
R_{YB}	246, 28, 1
Decimal	16128257
CIE Lab	52.16, 75.69, 65.44
CIE LCh	52, 100.054, 40.845
Yxy	20.2903, 0.6333, 0.3350
Android (android.graphics.Color)	4294318337 (0xFFFF61901)
YUV	88.3430, -43.0601, 138.2652
Hunter-Lab	45.0448, 73.1783, 28.9997

Details

The XYZ color **38.3591, 20.2903, 1.9234** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **42.7591, 58.8845, 96.3001**, and the grayscale version is **9.4249, 9.9157, 10.7982**.

A 20% lighter version of the original color is **46.6831, 30.8831, 7.6382**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.3350, 20.2513, 1.8884**, and if you desaturate by 10%, it is **39.2131, 21.7163, 3.0790**.

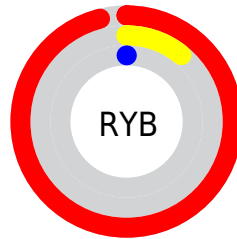
Distribution



Red (96%)

Green (10%)

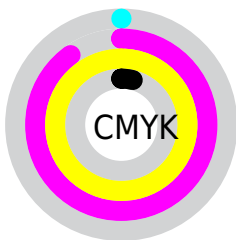
Blue (0%)



Red (96%)

Yellow (11%)

Blue (0%)

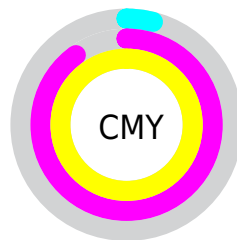


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3591, 20.2903, 1.9234 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 38.3591, 20.2903, 1.9234 by changing the saturation by 10% instead.

 38.3591, 20.2903,
1.9234


 38.3591, 20.2903,
1.9234


 330.4122,
253.4824, 121.1758


 26.4400, 12.6062,
0.5076


 71.9586, 43.9034,
8.8303


 17.2875, 7.1580,
0.0000


 94.3696, 60.6011,
15.2268

 10.5363, 3.5611,
0.0000


 121.0087, 81.0723,
24.1433

 5.8209, 1.4312,
0.0000

 152.2412,
105.7012, 35.9984

 2.7761, 0.2396,
0.0000

 188.4325,
134.8723, 51.2107


 1.0365, 0.0000,
0.0000


 229.9478,


 0.0000, 0.0000,


168.9699, 70.1986


0.0000


 277.1526,
208.3785, 93.3808


 38.3591, 20.2903,
1.9234


 38.3591, 20.2903,
1.9234


 38.3350, 20.2513,
1.8884

 39.2131, 21.7163,
3.0790

 40.7391, 24.1314,
5.5511

 43.0611, 27.6823,
9.6947

 46.2698, 32.4867,
15.7372

 50.4436, 38.6475,
23.8703

■ 55.6521, 46.2567,
34.2624

■ 61.9584, 55.3985,
47.0648

■ 69.4207, 66.1505,
62.4154

■ 78.0928, 78.5850,
80.4419

Harmonies

Analogous

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



45.8292, 20.2903, 13.0860



38.3591, 20.2903, 1.9234



26.4995, 20.2903, 0.0000

Triad

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



38.3591, 20.2903, 1.9234



6.0189, 20.2903, 8.2683



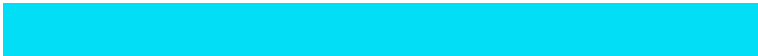
23.2348, 20.2903, 136.7634

Complementary

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



38.3591, 20.2903, 1.9234



42.7591, 58.8845, 96.3001

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.



13.5159, 20.2903, 129.7514



38.3591, 20.2903, 1.9234



5.6853, 20.2903, 34.5004

Square

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



38.3591, 20.2903, 1.9234



9.0566, 20.2903, 0.9965



7.8907, 20.2903, 83.3568



35.2537, 20.2903, 98.1704

Rectangle

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



38.3591, 20.2903, 1.9234



18.9963, 20.2903, 0.0000



7.8907, 20.2903, 83.3568



19.5772, 20.2903, 140.1681

Sweetspot

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



38.3595, 20.2916, 1.9237



66.8860, 59.6141, 50.3646



51.6868, 25.0825, 73.7687



13.6709, 11.8256, 9.4651



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.



38.3595, 20.2916, 1.9237



41.5879, 21.9559, 2.0460



47.9718, 39.5162, 5.1278



16.6299, 16.7439, 17.1530



20.5067, 10.8990, 1.0229



1.8454, 1.0440, 0.1043

Inverse Universe

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



42.7591, 58.8845, 96.3001



46.3428, 63.8055, 104.4809



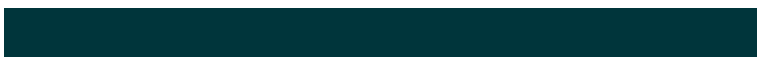
21.5055, 16.3774, 89.2156



16.8496, 18.4636, 21.2183



22.8611, 31.5160, 51.4163



2.0488, 2.8489, 4.5322

Previews

White Background



This preview shows how the XYZ color 38.3591, 20.2903, 1.9234 looks on a white background.

Color Contrast Check

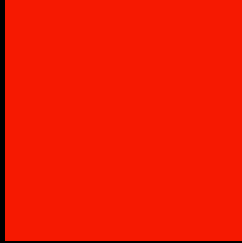
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3591, 20.2903, 1.9234 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 38.3591, 20.2903, 1.9234

Background



This preview shows how black text looks on a background with the XYZ color 38.3591, 20.2903, 1.9234.



This preview shows how white text looks on a background with the XYZ color 38.3591, 20.2903,

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

38.3591, 20.2903, 1.9234

Protanopia

18.6927, 20.6834, 4.3034

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

38.4329, 20.3198, 2.3119

Trichromacy



Original Color

38.3591, 20.2903, 1.9234

Protanomaly

22.2891, 16.7790, 2.7257

Deuteranomaly

24.4837, 17.4441, 2.0766

Tritanomaly

38.4030, 20.3078, 2.1542

Monochromacy



Original Color

38.3591, 20.2903, 1.9234

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.2812, 10.0859, 4.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3591, 20.2903, 1.9234 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(246, 25, 1)` looks like.

```
.text, #text, p{  
    color:rgb(246, 25, 1)  
}
```

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(246, 25, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 25, 1) }
```

Border

The CSS property to change the border of an element to XYZ 38.3591, 20.2903, 1.9234 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(246, 25, 1) }
```


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

```
.border{ border-color:rgb(246, 25, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 25, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 25, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 25, 1);  
box-shadow:4px 4px 4px 4px rgb(246, 25, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.3591, 20.2903, 1.9234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 25, 1) }
```

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

```
.background{ background-color: rgb(246, 25,  
1) }
```

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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