

Converting Colors

XYZ(38.6845, 21.5726, 2.1250)

Have a look what the booklet for
XYZ(38.6845, 21.5726, 2.1250)
contains.

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Color

**XYZ(38.7545, 21.6091,
2.1284)**

Conversions

Conversions Part 1

Format	Color
Hex	F53100
RGB	245, 49, 0
RGB Percent	96%, 19%, 0%
CMY	0.0392, 0.8078, 1.0000
CMYK	0.00, 0.80, 1.00, 0.04
HSL	12°, 100%, 48%
HSV	12°, 100%, 96%
XYZ	38.7545, 21.6091, 2.1284
YIQ	102.0180, 132.5450, 26.3130

Conversions

Conversions Part 2

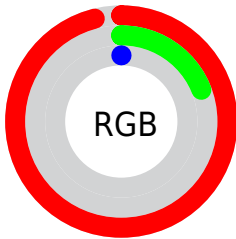
Format	Color
R_{YB}	245, 61, 0
Decimal	16068864
CIE Lab	53.61, 70.72, 66.14
CIE LCh	54, 96.831, 43.083
Yxy	21.6091, 0.6202, 0.3458
Android (android.graphics.Color)	4294258944 (0xFFFF53100)
YUV	102.0180, -50.2949, 125.3952
Hunter-Lab	46.4856, 67.4636, 29.8252

Details

The XYZ color **38.7545, 21.6091, 2.1284** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **36.2177, 46.0652, 93.3681**, and the grayscale version is **12.7393, 13.4027, 14.5956**.

A 20% lighter version of the original color is **47.9607, 33.3965, 8.1933**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **38.7548, 21.6102, 2.1286**, and if you desaturate by 10%, it is **39.9306, 23.6896, 3.3598**.

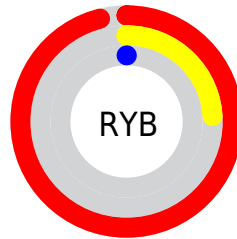
Distribution



Red (96%)

Green (19%)

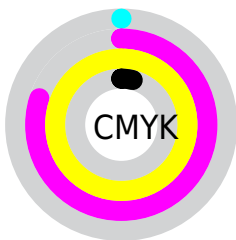
Blue (0%)



Red (96%)

Yellow (24%)

Blue (0%)

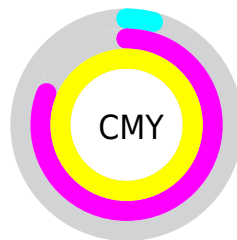


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7545, 21.6091, 2.1284 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 38.7545, 21.6091, 2.1284 by changing the saturation by 10% instead.


 38.7545, 21.6091,
2.1284


 38.7545, 21.6091,
2.1284


 332.0708,
260.4980, 124.3397


 26.7487, 13.5700,
0.6326


 72.5596, 46.0991,
9.3890


 17.5202, 7.8222,
0.0000


 95.0896, 63.3187,
16.0274


 10.7036, 3.9814,
0.0000


 121.8583, 84.3672,
25.2293

 5.9337, 1.6631,
0.0000

 153.2312,
109.6291, 37.4132

 2.8451, 0.3996,
0.0000

 189.5735,
139.4888, 52.9976

 1.0724, 0.0000,
0.0000

 231.2506,


 0.0018, 0.0000,


174.3305, 72.4012


0.0000


 278.6279,
214.5388, 96.0424


 0.0000, 0.0000,
0.0000


 38.7545, 21.6091,
2.1284


 38.7545, 21.6091,
2.1284


 38.7548, 21.6102,
2.1286

 39.9306, 23.6896,
3.3598

 41.7177, 26.6488,
5.8510

 44.2181, 30.5858,
9.9642

 47.5032, 35.5794,
15.9197

 51.6352, 41.7004,
23.9035

■ 56.6695, 49.0130,
34.0784

■ 62.6570, 57.5766,
46.5906

■ 69.6443, 67.4466,
61.5737

■ 77.6751, 78.6749,
79.1512

Harmonies

Analogous

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



46.6344, 21.6091, 12.8485



38.7545, 21.6091, 2.1284



26.8856, 21.6091, 0.0000

Triad

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



38.7545, 21.6091, 2.1284



6.7836, 21.6091, 10.5431



25.3768, 21.6091, 134.0129

Complementary

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



38.7545, 21.6091, 2.1284



36.2177, 46.0652, 93.3681

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.



15.2788, 21.6091, 130.8921



38.7545, 21.6091, 2.1284



6.6204, 21.6091, 38.9174

Square

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



38.7545, 21.6091, 2.1284



9.7303, 21.6091, 1.6303



9.1697, 21.6091, 87.8039



37.3356, 21.6091, 94.4471

Rectangle

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



38.7545, 21.6091, 2.1284



19.4878, 21.6091, 0.0000



9.1697, 21.6091, 87.8039



21.6269, 21.6091, 138.5140

Sweetspot

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



38.7550, 21.6104, 2.1287



68.5746, 62.9913, 50.9274



47.6197, 23.3979, 54.2309



14.0574, 12.5988, 9.5940



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.



38.7550, 21.6104, 2.1287



42.4245, 23.6291, 2.3248



52.3135, 48.7275, 6.6482



16.7676, 17.0193, 17.1989



20.9553, 11.7961, 1.1724



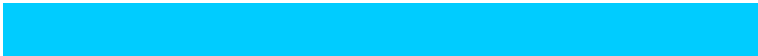
1.9112, 1.1757, 0.1262

Inverse Universe

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



36.2177, 46.0652, 93.3681



39.6390, 50.3979, 102.2463



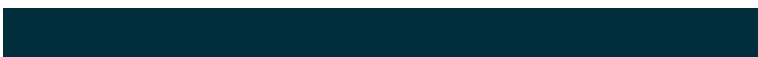
18.8970, 11.4238, 87.5945



16.6986, 18.1616, 21.1680



19.6118, 25.0173, 50.3332



1.7935, 2.3385, 4.4471

Previews

White Background



This preview shows how the XYZ color 38.7545, 21.6091, 2.1284 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 38.7545, 21.6091, 2.1284 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 38.7545, 21.6091, 2.1284

Background



This preview shows how black text looks on a background with the XYZ color 38.7545, 21.6091, 2.1284.



This preview shows how white text looks on a background with the XYZ color 38.7545, 21.6091,

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

38.7545, 21.6091, 2.1284

Protanopia

19.7491, 21.8090, 4.3311

Deuteranopia

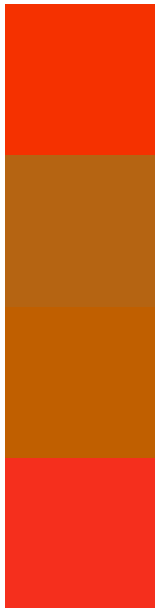
21.8598, 21.6004, 3.0172



Tritanopia

39.1068, 21.5559, 4.5822

Trichromacy



Original Color

38.7545, 21.6091, 2.1284

Protanomaly

23.7224, 18.9818, 2.9858

Deuteranomaly

25.8304, 19.3909, 2.3814

Tritanomaly

38.8945, 21.5342, 3.2689

Monochromacy



Original Color

38.7545, 21.6091, 2.1284

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.3738, 13.4382, 6.6792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7545, 21.6091, 2.1284 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, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 49, 0)  
}
```

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, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 49, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.7545, 21.6091, 2.1284 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, 49, 0) }
```


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

```
.border{ border-color:rgb(245, 49, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 49, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 49, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.7545, 21.6091, 2.1284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 49, 0) }
```

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

```
.background{ background-color: rgb(245, 49,  
0) }
```

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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