

Converting Colors

XYZ(38.2380, 21.5831, 0.0357)

Have a look what the booklet for
XYZ(38.2380, 21.5831, 0.0357)
contains.

| | |
|--|----|
| XYZ(38.5362, 21.6891, 2.1553) | 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(38.5362, 21.6891,
2.1553)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F43400 |
| RGB | 244, 52, 0 |
| RGB Percent | 96%, 20%, 0% |
| CMY | 0.0431, 0.7960, 1.0000 |
| CMYK | 0.00, 0.79, 1.00, 0.04 |
| HSL | 13°, 100%, 48% |
| HSV | 13°, 100%, 96% |
| XYZ | 38.5362, 21.6891, 2.1553 |
| YIQ | 103.4800, 131.1240, 24.5320 |

Conversions

Conversions Part 2

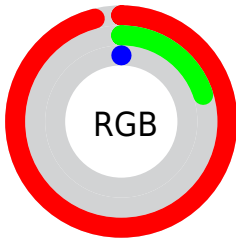
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 244, 66, 0 |
| Decimal | 16004096 |
| CIELab | 53.70, 69.65, 66.06 |
| CIELCh | 54, 96.001, 43.484 |
| Yxy | 21.6891, 0.6178, 0.3477 |
| Android (android.graphics.Color) | 4294194176 (0xFFFF43400) |
| YUV | 103.4800, -51.0156, 123.2360 |
| Hunter-Lab | 46.5716, 66.2018, 29.8562 |

Details

The XYZ color **38.5362, 21.6891, 2.1553** 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 **35.1749, 44.2235, 92.2692**, and the grayscale version is **13.1285, 13.8122, 15.0415**.

A 20% lighter version of the original color is **48.2130, 33.8584, 8.4091**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **38.5366, 21.6903, 2.1556**, and if you desaturate by 10%, it is **39.7439, 23.8345, 3.3920**.

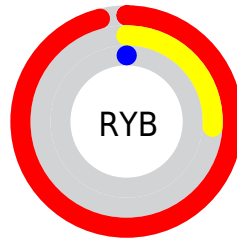
Distribution



Red (96%)

Green (20%)

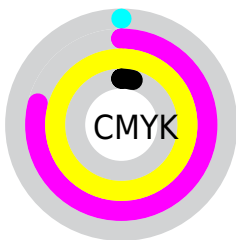
Blue (0%)



Red (96%)

Yellow (26%)

Blue (0%)

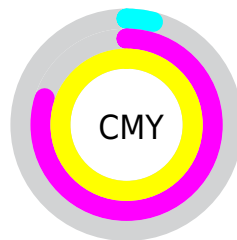


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5362, 21.6891, 2.1553 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 38.5362, 21.6891, 2.1553 by changing the saturation by 10% instead.


 38.5362, 21.6891,
2.1553


 38.5362, 21.6891,
2.1553


331.1558,
260.9184, 124.7435


 26.5782, 13.6286,
0.6484


 72.2279, 46.2316,
9.4612

 17.3916, 7.8628,
0.0000


 94.6923, 63.4824,
16.1305

 10.6111, 4.0073,
0.0000


 121.3895, 84.5655,
25.3688

 5.8714, 1.6776,
0.0000

 152.6849,
109.8652, 37.5945

 2.8069, 0.4091,
0.0000

 188.9439,
139.7660, 53.2264


 1.0525, 0.0000,
0.0000


 230.5318,


 0.0000, 0.0000,


174.6521, 72.6828


0.0000


 277.8140,
214.9081, 96.3823


 38.5362, 21.6891,
2.1553


 38.5362, 21.6891,
2.1553


 38.5366, 21.6903,
2.1556

 39.7439, 23.8345,
3.3920

 41.5492, 26.8353,
5.8736

 44.0513, 30.7850,
9.9587

 47.3190, 35.7579,
15.8647

 51.4121, 41.8206,
23.7751

■ 56.3841, 49.0341,
33.8506

■ 62.2840, 57.4544,
46.2356

■ 69.1569, 67.1341,
61.0620

■ 77.0450, 78.1224,
78.4515

Harmonies

Analogous

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



46.4242, 21.6891, 12.7239



38.5362, 21.6891, 2.1553



26.7591, 21.6891, 0.0377

Triad

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



38.5362, 21.6891, 2.1553



6.8794, 21.6891, 10.9029



25.5750, 21.6891, 132.4892

Complementary

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



38.5362, 21.6891, 2.1553



35.1749, 44.2235, 92.2692

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.



15.4914, 21.6891, 130.0568



38.5362, 21.6891, 2.1553



6.7500, 21.6891, 39.4245

Square

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



38.5362, 21.6891, 2.1553



9.7863, 21.6891, 1.7539



9.3431, 21.6891, 87.9028



37.4249, 21.6891, 93.0880

Rectangle

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



38.5362, 21.6891, 2.1553



19.4370, 21.6891, 0.0000



9.3431, 21.6891, 87.9028



21.8393, 21.6891, 137.1382

Sweetspot

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



38.5367, 21.6904, 2.1556



68.7984, 63.4389, 51.0020



47.1808, 23.1821, 53.7360



14.1090, 12.7018, 9.6111



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.



38.5367, 21.6904, 2.1556



42.5760, 23.9321, 2.3753



51.8330, 48.2831, 6.5877



16.7854, 17.0550, 17.2048



21.0343, 11.9543, 1.1988



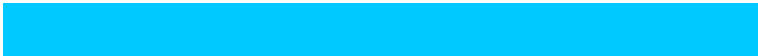
1.9206, 1.1945, 0.1293

Inverse Universe

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



35.1749, 44.2235, 92.2692



38.8525, 48.8250, 101.9842



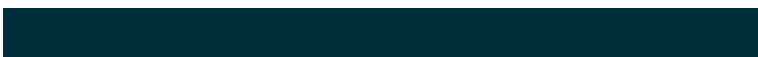
18.7248, 11.3231, 86.7858



16.6793, 18.1230, 21.1616



19.2298, 24.2534, 50.2059



1.7631, 2.2776, 4.4369

Previews

White Background



This preview shows how the XYZ color 38.5362, 21.6891, 2.1553 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 38.5362, 21.6891, 2.1553 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 38.5362, 21.6891, 2.1553

Background



This preview shows how black text looks on a background with the XYZ color 38.5362, 21.6891, 2.1553.



This preview shows how white text looks on a background with the XYZ color 38.5362, 21.6891,

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

38.5362, 21.6891, 2.1553

Protanopia

19.7491, 21.8090, 4.3311

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

39.3089, 21.8309, 5.0477

Trichromacy



Original Color

38.5362, 21.6891, 2.1553

Protanomaly

23.8189, 19.1748, 3.0180

Deuteranomaly

26.0129, 19.7559, 2.4422

Tritanomaly

39.0441, 21.7926, 3.4449

Monochromacy



Original Color

38.5362, 21.6891, 2.1553

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.4801, 13.6040, 6.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5362, 21.6891, 2.1553 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(244, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 52, 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(244, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 52, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.5362, 21.6891, 2.1553 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(244, 52, 0) }
```


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

```
.border{ border-color:rgb(244, 52, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 52, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 52, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.5362, 21.6891, 2.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 52, 0) }
```

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

```
.background{ background-color: rgb(244, 52,  
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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