

Converting Colors

XYZ(51.8776, 45.5966, 10.2174)

Have a look what the booklet for
XYZ(51.8776, 45.5966, 10.2174)
contains.

XYZ(51.8921, 45.5797, 10.2004)	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(51.8921, 45.5797,
10.2004)**

Conversions

Conversions Part 1

Format	Color
Hex	F7A13B
RGB	247, 161, 59
RGB Percent	97%, 63%, 23%
CMY	0.0314, 0.3686, 0.7686
CMYK	0.00, 0.35, 0.76, 0.03
HSL	33°, 92%, 60%
HSV	33°, 76%, 97%
XYZ	51.8921, 45.5797, 10.2004
YIQ	175.0860, 83.9980, -13.4900

Conversions

Conversions Part 2

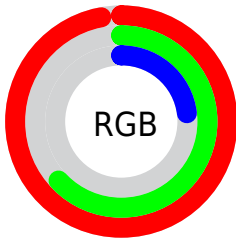
Format	Color
R _Y B	218, 247, 59
Decimal	16228667
CIE Lab	73.27, 23.86, 63.08
CIE LCh	73, 67.446, 69.280
Yxy	45.5797, 0.4819, 0.4233
Android (android.graphics.Color)	4294418747 (0xFFFF7A13B)
YUV	175.0860, -57.2304, 63.0686
Hunter-Lab	67.5127, 19.0526, 38.3009

Details

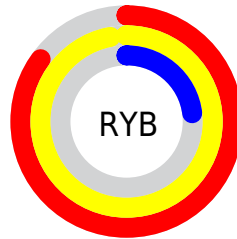
The XYZ color **51.8921, 45.5797, 10.2004** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **28.7169, 27.8947, 91.8658**, and the grayscale version is **41.0500, 43.1878, 47.0315**.

A 20% lighter version of the original color is **68.7765, 71.5640, 25.8111**, and **25.4762, 21.2516, 2.7592** is the 20% darker color. If you saturate the color by 10%, you get **49.5106, 41.6112, 6.9587**, and if you desaturate by 10%, it is **54.7568, 50.0308, 15.0976**.

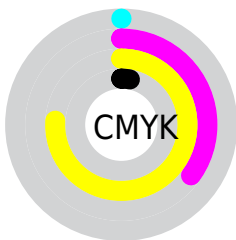
Distribution



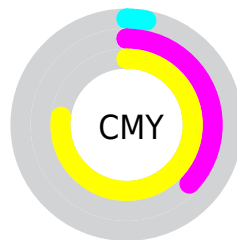
- Red (97%)
- Green (63%)
- Blue (23%)



- Red (85%)
- Yellow (97%)
- Blue (23%)



- Cyan (0%)
- Magenta (35%)
- Yellow (76%)
- Black (3%)





- Cyan (3%)
- Magenta (37%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8921, 45.5797, 10.2004 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 51.8921, 45.5797, 10.2004 by changing the saturation by 10% instead.


 51.8921, 45.5797,
10.2004

 51.8921, 45.5797,
10.2004


384.3507,
369.1163, 202.6329


 37.1430, 31.9143,
5.4247

 92.1473, 83.5896,
26.7854

 25.4924, 21.2960,
2.4355


 118.3840,
108.7029, 39.4319


 16.5750, 13.3406,
0.8057


 149.1807,
138.4010, 55.5389

 10.0253, 7.6635,
0.0000

 184.9027,
173.0682, 75.5252

 5.4782, 3.8804,
0.0000

 225.9154,
213.0889, 99.8092

 2.5681, 1.6069,
0.0000

272.5840,

 0.9297, 0.3622,

258.8476, 128.8094

0.0000

325.2740,
310.7286, 162.9445

■ 0.0000, 0.0000,
0.0000

■ 51.8921, 45.5797,
10.2004

■ 51.8921, 45.5797,
10.2004

■ 49.5106, 41.6112,
6.9587

■ 54.7568, 50.0308,
15.0976

■ 47.5577, 38.0901,
5.1213


■ 58.1440, 54.9817,
21.8481


■ 46.8851, 36.8292,
4.6376

■ 62.0913, 60.4564,
30.6243


■ 66.6315, 66.4746,
41.5779

■ 71.7944, 73.0549,
54.8459

 77.6077, 80.2146,
70.5541

 84.0969, 87.9702,
88.8190

 91.0273, 96.2336,
108.3850

 92.1675, 98.5140,
108.7651

Harmonies

Analogous

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



63.4561, 45.5797, 18.7234



51.8921, 45.5797, 10.2004



39.7516, 45.5797, 9.0724

Triad

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



51.8921, 45.5797, 10.2004



24.5049, 45.5797, 60.9097



59.4040, 45.5797, 119.1952

Complementary

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



51.8921, 45.5797, 10.2004



28.7169, 27.8947, 91.8658

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.



47.1003, 45.5797, 145.8742



51.8921, 45.5797, 10.2004



27.9730, 45.5797, 103.4512

Square

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



51.8921, 45.5797, 10.2004



25.3176, 45.5797, 29.9396



35.7518, 45.5797, 139.0756



68.3128, 45.5797, 76.4748

Rectangle

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



51.8921, 45.5797, 10.2004



33.1087, 45.5797, 11.7017



35.7518, 45.5797, 139.0756



55.4456, 45.5797, 131.0555

Sweetspot

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



51.8931, 45.5820, 10.2012



79.0346, 80.8433, 63.8724



45.1673, 25.0005, 29.9397



16.4531, 16.7258, 12.4407



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.



51.8931, 45.5820, 10.2012



52.1190, 42.7713, 6.3167



70.2345, 85.4907, 16.9377



17.2441, 17.9724, 17.3577



24.9401, 19.7657, 2.5007



2.2947, 1.9426, 0.2540

Inverse Universe

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



28.7169, 27.8947, 91.8658



26.2647, 23.1266, 97.6873



20.5504, 10.9767, 89.0307



16.2056, 17.1756, 21.0037



12.1390, 10.0719, 47.8423



1.1684, 1.0881, 4.2387

Previews

White Background



This preview shows how the XYZ color 51.8921, 45.5797, 10.2004 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 51.8921, 45.5797, 10.2004 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8921, 45.5797, 10.2004

Background



This preview shows how black text looks on a background with the XYZ color 51.8921, 45.5797, 10.2004.



This preview shows how white text looks on a background with the XYZ color 51.8921, 45.5797,

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

51.8921, 45.5797, 10.2004

Protanopia

41.8064, 45.9745, 11.5210

Deuteranopia

46.6165, 45.5704, 9.9534



Tritanopia

58.0962, 45.6245, 39.9268

Trichromacy



Original Color

51.8921, 45.5797, 10.2004

Protanomaly

44.9190, 45.5253, 10.9772

Deuteranomaly

48.4642, 45.4154, 9.9531

Tritanomaly

55.2067, 45.4326, 25.2617

Monochromacy



Original Color

51.8921, 45.5797, 10.2004

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.6958, 42.8604, 28.2129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8921, 45.5797, 10.2004 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(247, 161, 59)` looks like.

```
.text, #text, p{  
    color:rgb(247, 161, 59)  
}
```

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(247, 161, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 161, 59) }
```

Border

The CSS property to change the border of an element to XYZ 51.8921, 45.5797, 10.2004 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(247, 161, 59) }
```


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

```
.border{ border-color:rgb(247, 161, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 161, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 161, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 161, 59);  
box-shadow:4px 4px 4px 4px rgb(247, 161,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8921, 45.5797, 10.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 161, 59) }
```

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

```
.background{ background-color: rgb(247,  
161, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor