

Converting Colors

XYZ(51.8156, 42.3772, 14.5658)

Have a look what the booklet for
XYZ(51.8156, 42.3772, 14.5658)
contains.

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Color

**XYZ(51.8921, 42.5070,
14.4865)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FA9557 |
| RGB | 250, 149, 87 |
| RGB Percent | 98%, 58%, 34% |
| CMY | 0.0196, 0.4157, 0.6588 |
| CMYK | 0.00, 0.40, 0.65, 0.02 |
| HSL | 23°, 94%, 66% |
| HSV | 23°, 65%, 98% |
| XYZ | 51.8921, 42.5070, 14.4865 |
| YIQ | 172.1310, 80.0980, 2.1300 |

Conversions

Conversions Part 2

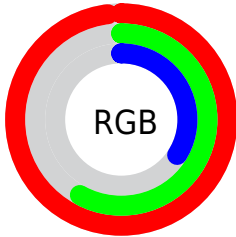
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 250, 187, 87 |
| Decimal | 16422231 |
| CIE Lab | 71.22, 32.71, 48.28 |
| CIE LCh | 71, 58.315, 55.879 |
| Yxy | 42.5070, 0.4766, 0.3904 |
| Android (android.graphics.Color) | 4294612311 (0xFFFA9557) |
| YUV | 172.1310, -41.9696, 68.2911 |
| Hunter-Lab | 65.1974, 27.9768, 32.4643 |

Details

The XYZ color **51.8921, 42.5070, 14.4865** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.1679, 44.8924, 97.0427**, and the grayscale version is **39.4576, 41.5125, 45.2071**.

A 20% lighter version of the original color is **67.4931, 66.3098, 33.6679**, and **25.6108, 19.5081, 4.2493** is the 20% darker color. If you saturate the color by 10%, you get **48.7522, 37.5888, 9.2436**, and if you desaturate by 10%, it is **55.7134, 48.2229, 21.7013**.

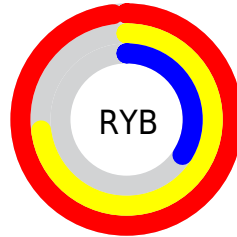
Distribution



Red (98%)

Green (58%)

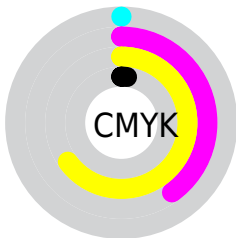
Blue (34%)



Red (98%)

Yellow (73%)

Blue (34%)

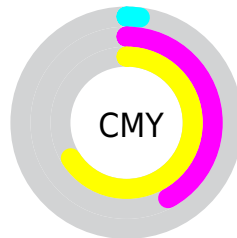


Cyan (0%)

Magenta (40%)

Yellow (65%)

Black (2%)



Cyan (2%)


Magenta (42%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8921, 42.5070, 14.4865 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, 42.5070, 14.4865 by changing the saturation by 10% instead.


 51.8921, 42.5070,
14.4865

 51.8921, 42.5070,
14.4865


384.3507,
356.5804, 231.7694

 37.1430, 29.4985,
8.3172


 92.1473, 78.9664,
34.6793

 25.4924, 19.4582,
4.2079


 118.3840,
103.1860, 49.5398


 16.5750, 12.0019,
1.7401


 149.1807,
131.9115, 68.1345

 10.0253, 6.7449,
0.3880

 184.9027,
165.5272, 90.8819

 5.4782, 3.3031,
0.0000

 225.9154,
204.4176, 118.2006

 2.5681, 1.2920,
0.0000

272.5840,

 0.9297, 0.1350,

248.9670, 150.5090

0.0000

325.2740,
299.5598, 188.2258

■ 0.0000, 0.0000,
0.0000

■ 51.8921, 42.5070,
14.4865

■ 51.8921, 42.5070,
14.4865

■ 48.7522, 37.5888,
9.2436

■ 55.7134, 48.2229,
21.7013

■ 46.2398, 33.4208,
5.7642

■ 60.2582, 54.7673,
31.0628

■ 44.2949, 29.9592,
3.7960

■ 65.5679, 62.1767,
42.7288

■ 43.5255, 28.5266,
3.2121

■ 71.6799, 70.4837,
56.8414

■ 78.6286, 79.7186,
73.5315

86.4465, 89.9105,
92.9202

93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



59.7877, 42.5070, 26.5348



51.8921, 42.5070, 14.4865



41.7678, 42.5070, 10.6721

Triad

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



51.8921, 42.5070, 14.4865



24.4010, 42.5070, 42.5203



49.1758, 42.5070, 113.5958

Complementary

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



51.8921, 42.5070, 14.4865



39.1679, 44.8924, 97.0427

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.



39.0655, 42.5070, 123.4387



51.8921, 42.5070, 14.4865



25.7371, 42.5070, 73.9867

Square

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



51.8921, 42.5070, 14.4865



26.7504, 42.5070, 22.1731



30.7464, 42.5070, 106.6997



58.0502, 42.5070, 83.5330

Rectangle

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



51.8921, 42.5070, 14.4865



35.4728, 42.5070, 11.4087



30.7464, 42.5070, 106.6997



45.7671, 42.5070, 119.7915

Sweetspot

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



51.8931, 42.5092, 14.4873



78.6340, 78.6094, 68.1554



52.1523, 30.8685, 52.0587



16.3998, 16.2512, 13.5573



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, 42.5092, 14.4873



50.1754, 37.9848, 8.4415



68.9613, 76.6455, 20.1767



17.7858, 18.3074, 18.0587



23.2153, 15.3872, 1.7464



2.2488, 1.6225, 0.1946

Inverse Universe

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



39.1679, 44.8924, 97.0427



35.8743, 40.4392, 100.5225



26.6263, 19.8092, 92.8622



17.1788, 18.4344, 22.0381



15.5044, 16.3644, 50.3150



1.5382, 1.7201, 4.6941

Previews

White Background



This preview shows how the XYZ color 51.8921, 42.5070, 14.4865 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, 42.5070, 14.4865 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, 42.5070, 14.4865

Background



This preview shows how black text looks on a background with the XYZ color 51.8921, 42.5070, 14.4865.



This preview shows how white text looks on a background with the XYZ color 51.8921, 42.5070,

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, 42.5070, 14.4865

Protanopia

39.1795, 42.7109, 17.2454

Deuteranopia

43.5165, 42.4959, 14.0926



Tritanopia

56.0654, 42.3876, 34.9324

Trichromacy



Original Color

51.8921, 42.5070, 14.4865

Protanomaly

43.0526, 42.2089, 16.2339

Deuteranomaly

46.1659, 42.2757, 14.1143

Tritanomaly

54.3776, 42.3877, 25.7377

Monochromacy



Original Color

51.8921, 42.5070, 14.4865

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.9026, 40.7534, 30.8570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8921, 42.5070, 14.4865 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(250, 149, 87)` looks like.

```
.text, #text, p{  
    color:rgb(250, 149, 87)  
}
```

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(250, 149, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 149, 87) }
```

Border

The CSS property to change the border of an element to XYZ 51.8921, 42.5070, 14.4865 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(250, 149, 87) }
```


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

```
.border{ border-color:rgb(250, 149, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 149, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 149, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 149, 87);  
box-shadow:4px 4px 4px 4px rgb(250, 149,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8921, 42.5070, 14.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 149, 87) }
```

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

```
.background{ background-color: rgb(250,  
149, 87) }
```

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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