

Converting Colors

XYZ(71.2871, 53.4201, 18.9738)

Have a look what the booklet for
XYZ(71.2871, 53.4201, 18.9738)
contains.

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Color

**XYZ(54.9802, 44.9821,
18.0965)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9965
RGB	255, 153, 101
RGB Percent	100%, 60%, 40%
CMY	0.0000, 0.4000, 0.6039
CMYK	0.00, 0.40, 0.60, 0.00
HSL	20°, 100%, 70%
HSV	20°, 60%, 100%
XYZ	54.9802, 44.9821, 18.0965
YIQ	177.5700, 77.4840, 5.4520

Conversions

Conversions Part 2

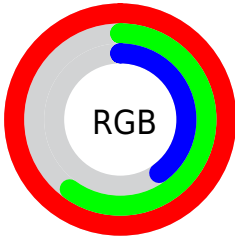
Format	Color
R _Y B	255, 180, 101
Decimal	16750949
CIE Lab	72.88, 33.50, 43.28
CIE LCh	73, 54.732, 52.257
Yxy	44.9821, 0.4657, 0.3810
Android (android.graphics.Color)	4294941029 (0xFFFF9965)
YUV	177.5700, -37.7490, 67.9061
Hunter-Lab	67.0687, 28.9569, 30.9504

Details

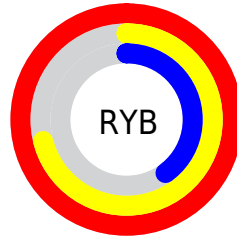
The XYZ color **54.9802, 44.9821, 18.0965** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.7713, 52.6955, 102.4188**, and the grayscale version is **42.2553, 44.4558, 48.4124**.

A 20% lighter version of the original color is **69.5456, 68.6717, 39.7265**, and **27.5216, 21.0246, 5.8564** is the 20% darker color. If you saturate the color by 10%, you get **51.3479, 39.4166, 11.6488**, and if you desaturate by 10%, it is **59.3933, 51.4897, 26.7169**.

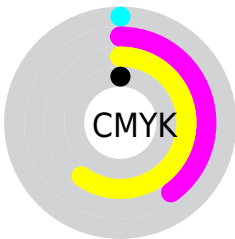
Distribution



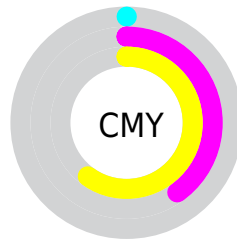
- Red (100%)
- Green (60%)
- Blue (40%)



- Red (100%)
- Yellow (71%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9802, 44.9821, 18.0965 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 54.9802, 44.9821, 18.0965 by changing the saturation by 10% instead.


 54.9802, 44.9821,
18.0965


 54.9802, 44.9821,
18.0965


395.9745,
366.7011, 253.6688

 39.6196, 31.4433,
10.8491


 96.6604, 82.6936,
41.0178


 27.4250, 20.9367,
5.8526


 123.7108,
107.6350, 57.5289

 18.0309, 13.0777,
2.6883


 155.3886,
137.1462, 77.9650

 11.0720, 7.4821,
0.9375

 192.0590,
171.6114, 102.7445

 6.1829, 3.7654,
0.0000

234.0874,
211.4151, 132.2861

 2.9983, 1.5432,
0.0000

281.8392,

 1.1529, 0.3188,

256.9417, 167.0084

0.0000

335.6798,
308.5756, 207.3297

■ 0.0687, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9802, 44.9821,
18.0965

■ 54.9802, 44.9821,
18.0965

■ 51.3479, 39.4166,
11.6488

■ 59.3933, 51.4897,
26.7169

■ 48.4398, 34.7388,
7.1700


■ 64.6320, 58.9762,
37.6834

■ 46.1950, 30.8981,
4.4209

■ 70.7408, 67.4846,
51.1548

■ 44.5767, 27.9338,
3.0423

■ 77.7602, 77.0533,
67.2750

 85.7276, 87.7183,
86.1771

94.6786, 99.5142,
107.9849

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



62.0541, 44.9821, 31.6687



54.9802, 44.9821, 18.0965



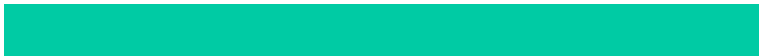
45.2708, 44.9821, 13.2097

Triad

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



54.9802, 44.9821, 18.0965



27.0462, 44.9821, 42.2421



50.0769, 44.9821, 115.3701

Complementary

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



54.9802, 44.9821, 18.0965



44.7713, 52.6955, 102.4188

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.



40.3325, 44.9821, 121.5522



54.9802, 44.9821, 18.0965



27.9388, 44.9821, 71.6649

Square

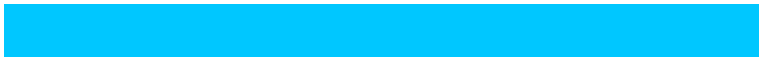
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.9802, 44.9821, 18.0965



29.8394, 44.9821, 23.3656



32.4899, 44.9821, 103.2999



58.9427, 44.9821, 88.6361

Rectangle

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



54.9802, 44.9821, 18.0965



38.9808, 44.9821, 13.5116



32.4899, 44.9821, 103.2999



46.7634, 44.9821, 120.2413

Sweetspot

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



54.9813, 44.9844, 18.0973



79.5784, 79.5032, 71.5380



56.7527, 34.9112, 60.6647



16.5612, 16.3808, 14.2064



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.



54.9813, 44.9844, 18.0973



50.8330, 38.6057, 10.8012



71.7004, 78.4226, 23.6704



18.5107, 18.9895, 18.8341



23.4154, 14.8421, 1.6307



2.3761, 1.6376, 0.1909

Inverse Universe

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



44.7713, 52.6955, 102.4188



39.7473, 46.7134, 101.5294



30.9634, 25.0798, 97.8161



18.0079, 19.3874, 23.0430



16.9775, 18.8646, 52.1810



1.7541, 2.0390, 5.1144

Previews

White Background



This preview shows how the XYZ color 54.9802, 44.9821, 18.0965 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 54.9802, 44.9821, 18.0965 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 54.9802, 44.9821, 18.0965

Background



This preview shows how black text looks on a background with the XYZ color 54.9802, 44.9821, 18.0965.



This preview shows how white text looks on a background with the XYZ color 54.9802, 44.9821,

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

54.9802, 44.9821, 18.0965

Protanopia

41.7543, 45.1237, 21.5480

Deuteranopia

45.9340, 45.0490, 17.5836



Tritanopia

58.0015, 44.9084, 37.9589

Trichromacy



Original Color

54.9802, 44.9821, 18.0965

Protanomaly

45.6438, 44.5627, 20.1057

Deuteranomaly

48.7588, 44.5886, 17.5919

Tritanomaly

56.6617, 44.8788, 29.3430

Monochromacy



Original Color

54.9802, 44.9821, 18.0965

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

45.1466, 43.6998, 34.9096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9802, 44.9821, 18.0965 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(255, 153, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 101)  
}
```

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(255, 153, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 101) }
```

Border

The CSS property to change the border of an element to XYZ 54.9802, 44.9821, 18.0965 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(255, 153, 101) }
```


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

```
.border{ border-color:rgb(255, 153, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9802, 44.9821, 18.0965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 101) }
```

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

```
.background{ background-color: rgb(255,  
153, 101) }
```

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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