

Converting Colors

XYZ(24.5667, 31.5674, 5.5574)

Have a look what the booklet for
XYZ(24.5667, 31.5674, 5.5574)
contains.

XYZ(24.5667, 31.5674, 5.5574)	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(24.5667, 31.5674,
5.5574)**

Conversions

Conversions Part 1

Format	Color
Hex	91A116
RGB	145, 161, 22
RGB Percent	57%, 63%, 9%
CMY	0.4314, 0.3686, 0.9137
CMYK	0.10, 0.00, 0.86, 0.37
HSL	67°, 76%, 36%
HSV	67°, 86%, 63%
XYZ	24.5667, 31.5674, 5.5574
YIQ	140.3700, 35.0830, -46.6210

Conversions

Conversions Part 2

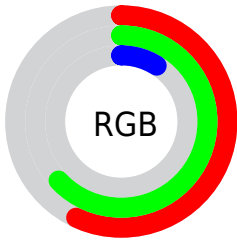
Format	Color
R_{YB}	22, 161, 38
Decimal	9543958
CIE _{Lab}	62.98, -21.95, 61.99
CIE _{LCh}	63, 65.762, 109.498
Yxy	31.5674, 0.3982, 0.5117
Android (android.graphics.Color)	4287734038 (0xFF91A116)
YUV	140.3700, -58.3564, 4.0605
Hunter-Lab	56.1849, -20.2748, 33.4649

Details

The XYZ color **24.5667, 31.5674, 5.5574** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.5203, 3.5598, 34.0109**, and the grayscale version is **25.2831, 26.5998, 28.9672**.

A 20% lighter version of the original color is **50.4743, 62.2928, 17.5471**, and **9.7924, 13.3255, 2.0560** is the 20% darker color. If you saturate the color by 10%, you get **24.1308, 31.3568, 4.9503**, and if you desaturate by 10%, it is **25.1035, 31.8213, 6.6620**.

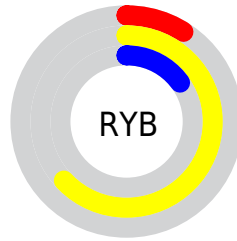
Distribution



Red (57%)

Green (63%)

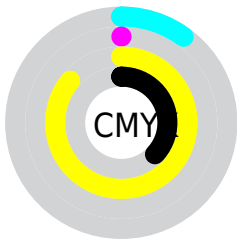
Blue (9%)



Red (9%)

Yellow (63%)

Blue (15%)

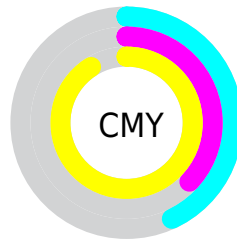


Cyan (10%)

Magenta (0%)

Yellow (86%)

Black (37%)



Cyan (43%)

Magenta (37%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5667, 31.5674, 5.5574 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 24.5667, 31.5674, 5.5574 by changing the saturation by 10% instead.

■ 24.5667, 31.5674,
5.5574

■ 24.5667, 31.5674,
5.5574

268.0608,
309.1439, 164.2199

■ 15.8815, 21.0313,
2.5135

■ 50.4014, 62.1323,
17.4666

■ 9.5307, 13.1469,
0.8473

■ 68.2816, 82.9299,
27.1690

■ 5.1488, 7.5298,
0.0000

■ 89.9576, 107.9167,
39.9279

■ 2.3705, 3.7956,
0.0000

■ 115.7946,
137.4772, 56.1619

■ 0.8304, 1.5599,
0.0000

■ 146.1581,
171.9958, 76.2896

■ 0.0000, 0.3303,
0.0000

■ 181.4134,

■ 0.0000, 0.0000,

211.8568, 100.7294

0.0000

221.9258,
257.4447, 129.9000

■ 24.5667, 31.5674,
5.5574

■ 24.5667, 31.5674,
5.5574

■ 24.1308, 31.3568,
4.9503

■ 25.1035, 31.8213,
6.6620

■ 23.9809, 31.2832,
4.7743

■ 25.7574, 32.1216,
8.3584

■ 26.5421, 32.4747,
10.7151

■ 27.4686, 32.8852,
13.7908

■ 28.5470, 33.3571,
17.6376

■ 29.7862, 33.8940,
22.3029

■ 31.1945, 34.4991,
27.8303

■ 32.7796, 35.1756,
34.2601

■ 34.5489, 35.9264,
41.6304

Harmonies

Analogous

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



33.2859, 31.5674, 4.9788



24.5667, 31.5674, 5.5574



18.6299, 31.5674, 11.1137

Triad

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



24.5667, 31.5674, 5.5574



20.0689, 31.5674, 87.8396



50.5521, 31.5674, 44.2701

Complementary

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



24.5667, 31.5674, 5.5574



7.5203, 3.5598, 34.0109

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.



45.2615, 31.5674, 77.9159



24.5667, 31.5674, 5.5574



26.9450, 31.5674, 110.2594

Square

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



24.5667, 31.5674, 5.5574



16.4172, 31.5674, 53.8145



36.1893, 31.5674, 105.9208



49.5593, 31.5674, 20.2863

Rectangle

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



24.5667, 31.5674, 5.5574



16.4870, 31.5674, 19.7147



36.1893, 31.5674, 105.9208



49.4138, 31.5674, 54.9279

Sweetspot

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



24.5674, 31.5688, 5.5581



53.3041, 60.6817, 39.7967



15.4718, 8.8917, 1.6603



11.5266, 13.2376, 8.1024



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.5674, 31.5688, 5.5581



42.8380, 55.9671, 8.5449



16.0003, 27.1523, 5.1571



7.5688, 8.1957, 7.5631



19.1736, 24.9948, 3.8139



0.4241, 0.5361, 0.0811

Inverse Universe

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



7.5203, 3.5598, 34.0109



11.8995, 4.8035, 60.6865



12.5940, 6.1754, 34.2484



6.7727, 6.8972, 8.8774



5.3644, 2.1719, 27.0663



0.1337, 0.0564, 0.5697

Previews

White Background



This preview shows how the XYZ color 24.5667, 31.5674, 5.5574 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 24.5667, 31.5674, 5.5574 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 24.5667, 31.5674, 5.5574

Background



This preview shows how black text looks on a background with the XYZ color 24.5667, 31.5674, 5.5574.



This preview shows how white text looks on a background with the XYZ color 24.5667, 31.5674,

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

24.5667, 31.5674, 5.5574

Protanopia

28.5220, 31.6001, 5.2123

Deuteranopia

32.0002, 31.2685, 5.8622



Tritanopia

31.3326, 31.5894, 38.6284

Trichromacy



Original Color

24.5667, 31.5674, 5.5574

Protanomaly

26.9150, 31.5088, 5.3251

Deuteranomaly

28.8199, 31.0204, 5.6969

Tritanomaly

27.5617, 31.0312, 19.5759

Monochromacy



Original Color

24.5667, 31.5674, 5.5574

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.9029, 27.7937, 15.4142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5667, 31.5674, 5.5574 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(145, 161, 22)` looks like.

```
.text, #text, p{  
    color:rgb(145, 161, 22)  
}
```

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(145, 161, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 161, 22) }
```

Border

The CSS property to change the border of an element to XYZ 24.5667, 31.5674, 5.5574 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(145, 161, 22) }
```


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

```
.border{ border-color:rgb(145, 161, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 161, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 161, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 161, 22);  
box-shadow:4px 4px 4px 4px rgb(145, 161,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5667, 31.5674, 5.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 161, 22) }
```

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

```
.background{ background-color: rgb(145,  
161, 22) }
```

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