

Converting Colors

XYZ(19.0156, 24.1092, 6.4246)

Have a look what the booklet for
XYZ(19.0156, 24.1092, 6.4246)
contains.

| | |
|--|----|
| XYZ(18.9589, 24.0714, 6.4433) | 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(18.9589, 24.0714,
6.4433)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7F8E30 |
| RGB | 127, 142, 48 |
| RGB Percent | 50%, 56%, 19% |
| CMY | 0.5020, 0.4431, 0.8118 |
| CMYK | 0.11, 0.00, 0.66, 0.44 |
| HSL | 70°, 49%, 37% |
| HSV | 70°, 66%, 56% |
| XYZ | 18.9589, 24.0714, 6.4433 |
| YIQ | 126.7990, 21.2340, -32.4140 |

Conversions

Conversions Part 2

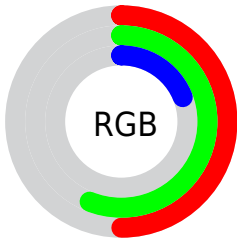
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 48, 142, 63 |
| Decimal | 8359472 |
| CIE Lab | 56.16, -18.89, 46.48 |
| CIE LCh | 56, 50.167, 112.118 |
| Yxy | 24.0714, 0.3832, 0.4866 |
| Android (android.graphics.Color) | 4286549552 (0xFF7F8E30) |
| YUV | 126.7990, -38.8479, 0.1763 |
| Hunter-Lab | 49.0626, -16.8831, 26.5574 |

Details

The XYZ color **18.9589, 24.0714, 6.4433** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9901, 5.1242, 26.1605**, and the grayscale version is **20.2283, 21.2818, 23.1758**.

A 20% lighter version of the original color is **41.2835, 50.3258, 19.3424**, and **6.7288, 9.1501, 1.4115** is the 20% darker color. If you saturate the color by 10%, you get **18.3780, 23.8013, 5.1240**, and if you desaturate by 10%, it is **19.6424, 24.3851, 8.2583**.

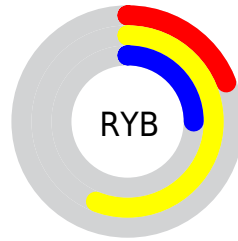
Distribution



Red (50%)

Green (56%)

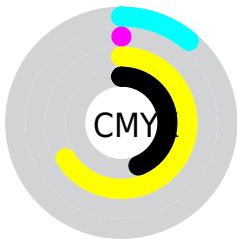
Blue (19%)



Red (19%)

Yellow (56%)

Blue (25%)

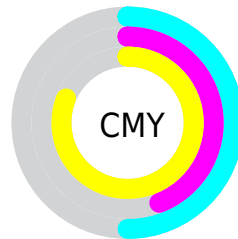


Cyan (11%)

Magenta (0%)

Yellow (66%)

Black (44%)



Cyan (50%)

Magenta (44%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9589, 24.0714, 6.4433 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 18.9589, 24.0714, 6.4433 by changing the saturation by 10% instead.

■ 18.9589, 24.0714,
6.4433

■ 18.9589, 24.0714,
6.4433

239.1642,
273.1813, 172.4058

■ 11.7444, 15.3866,
3.0433

■ 41.1820, 50.1467,
19.3376

■ 6.6408, 9.0912,
1.1168

■ 56.9214, 68.3060,
29.6691

■ 3.2828, 4.8007,
0.0000

■ 76.2331, 90.3922,
43.1481

■ 1.3050, 2.1308,
0.0000

■ 99.4825, 116.7897,
60.1932

■ 0.1870, 0.6819,
0.0000

■ 127.0350,
147.8830, 81.2230

■ 0.0000, 0.0000,
0.0000

■ 159.2559,

184.0564, 106.6561

196.5105,
225.6944, 136.9108

■ 18.9589, 24.0714,
6.4433

■ 18.9589, 24.0714,
6.4433

■ 18.3780, 23.8013,
5.1240

■ 19.6424, 24.3851,
8.2583

■ 17.8886, 23.5679,
4.2496

■ 20.4350, 24.7425,
10.6100

■ 17.4766, 23.3663,
3.7441

■ 21.3444, 25.1474,
13.5372

■ 17.3278, 23.2930,
3.5827

■ 22.3774, 25.6027,
17.0743

■ 23.5399, 26.1108,
21.2534

■ 24.8378, 26.6738,
26.1041

■ 26.2763, 27.2941,
31.6542

■ 27.8605, 27.9735,
37.9300

■ 29.5951, 28.7140,
44.9563

Harmonies

Analogous

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



24.4311, 24.0714, 5.6777



18.9589, 24.0714, 6.4433



15.2065, 24.0714, 11.1638

Triad

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



18.9589, 24.0714, 6.4433



16.7324, 24.0714, 60.0432



35.6905, 24.0714, 30.8025

Complementary

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



18.9589, 24.0714, 6.4433



7.9901, 5.1242, 26.1605

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.



32.7765, 24.0714, 50.8962



18.9589, 24.0714, 6.4433



21.3943, 24.0714, 71.8299

Square

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



18.9589, 24.0714, 6.4433



14.0793, 24.0714, 40.0513



27.3057, 24.0714, 67.9204



34.7439, 24.0714, 15.9928

Rectangle

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



18.9589, 24.0714, 6.4433



13.8778, 24.0714, 17.6298



27.3057, 24.0714, 67.9204



35.1150, 24.0714, 37.2003

Sweetspot

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



18.9595, 24.0725, 6.4438



40.6148, 45.6520, 34.2255



13.4177, 9.4210, 3.9079



8.9594, 10.1475, 7.2425



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.9595, 24.0725, 6.4438



32.0036, 41.7785, 8.2584



13.5921, 21.3055, 6.1926



5.7562, 6.2425, 5.7909



15.5696, 20.9190, 3.2172



0.1635, 0.2076, 0.0314

Inverse Universe

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



7.9901, 5.1242, 26.1605



11.2891, 5.8807, 45.6680



12.2592, 7.3250, 26.3603



5.2048, 5.2938, 6.7762



4.7053, 1.9192, 23.0995



0.0572, 0.0246, 0.2214

Previews

White Background



This preview shows how the XYZ color 18.9589, 24.0714, 6.4433 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 18.9589, 24.0714, 6.4433 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 18.9589, 24.0714, 6.4433

Background



This preview shows how black text looks on a background with the XYZ color 18.9589, 24.0714, 6.4433.



This preview shows how white text looks on a background with the XYZ color 18.9589, 24.0714,

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

18.9589, 24.0714, 6.4433

Protanopia

21.7348, 24.0092, 6.0735

Deuteranopia

24.2981, 23.9109, 6.7028



Tritanopia

23.6620, 24.0766, 29.3867

Trichromacy



Original Color

18.9589, 24.0714, 6.4433

Protanomaly

20.7569, 24.1330, 6.2534

Deuteranomaly

21.9340, 23.6895, 6.5484

Tritanomaly

21.1838, 23.6776, 17.6411

Monochromacy



Original Color

18.9589, 24.0714, 6.4433

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.2083, 21.8964, 14.7693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9589, 24.0714, 6.4433 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(127, 142, 48)` looks like.

```
.text, #text, p{  
    color:rgb(127, 142, 48)  
}
```

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(127, 142, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 142, 48) }
```

Border

The CSS property to change the border of an element to XYZ 18.9589, 24.0714, 6.4433 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(127, 142, 48) }
```


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

```
.border{ border-color:rgb(127, 142, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 142, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 142, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 142, 48);  
box-shadow:4px 4px 4px 4px rgb(127, 142,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9589, 24.0714, 6.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 142, 48) }
```

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

```
.background{ background-color: rgb(127,  
142, 48) }
```

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