

Converting Colors

XYZ(24.7317, 21.3455, 2.9857)

Have a look what the booklet for
XYZ(24.7317, 21.3455, 2.9857)
contains.

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Color

**XYZ(24.6494, 21.3048,
2.9854)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B47006 |
| RGB | 180, 112, 6 |
| RGB Percent | 71%, 44%, 2% |
| CMY | 0.2941, 0.5608, 0.9764 |
| CMYK | 0.00, 0.38, 0.97, 0.29 |
| HSL | 37°, 94%, 36% |
| HSV | 37°, 97%, 71% |
| XYZ | 24.6494, 21.3048, 2.9854 |
| YIQ | 120.2480, 74.5540, -18.5500 |

Conversions

Conversions Part 2

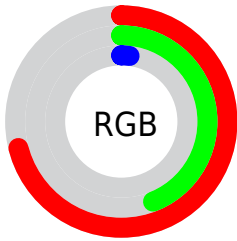
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 118, 180, 6 |
| Decimal | 11825158 |
| CIE Lab | 53.28, 20.23, 59.14 |
| CIE LCh | 53, 62.506, 71.119 |
| Yxy | 21.3048, 0.5037, 0.4353 |
| Android (android.graphics.Color) | 4290015238 (0xFFB47006) |
| YUV | 120.2480, -56.3243, 52.4025 |
| Hunter-Lab | 46.1571, 14.5498, 28.4752 |

Details

The XYZ color **24.6494, 21.3048, 2.9854** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.7622, 8.2318, 44.2012**, and the grayscale version is **18.0911, 19.0332, 20.7272**.

A 20% lighter version of the original color is **50.5945, 45.6690, 11.6172**, and **9.7186, 7.7317, 0.9802** is the 20% darker color. If you saturate the color by 10%, you get **24.3612, 20.7813, 2.7272**, and if you desaturate by 10%, it is **25.5887, 22.9723, 3.9500**.

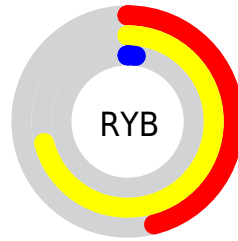
Distribution



Red (71%)

Green (44%)

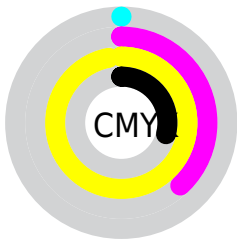
Blue (2%)



Red (46%)

Yellow (71%)

Blue (2%)

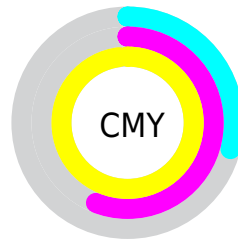


Cyan (0%)

Magenta (38%)

Yellow (97%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6494, 21.3048, 2.9854 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 24.6494, 21.3048, 2.9854 by changing the saturation by 10% instead.

■ 24.6494, 21.3048,
2.9854

■ 24.6494, 21.3048,
2.9854

268.4674,
258.8939, 136.1745

■ 15.9434, 13.3470,
1.0872

■ 50.5349, 45.5943,
11.5924

■ 9.5747, 7.6679,
0.0000

■ 68.4450, 62.6947,
19.1382

■ 5.1780, 3.8832,
0.0000

■ 90.1540, 83.6114,
29.4037

■ 2.3879, 1.6084,
0.0000

■ 116.0270,
108.7289, 42.8074

■ 0.8391, 0.3633,
0.0000

■ 146.4295,
138.4315, 59.7677

■ 0.0000, 0.0000,
0.0000

■ 181.7268,

173.1036, 80.7033

■ 222.2843,
213.1296, 106.0327

■ 24.6494, 21.3048,
2.9854

■ 24.6494, 21.3048,
2.9854

■ 24.3612, 20.7813,
2.7272

■ 25.5887, 22.9723,
3.9500

■ 26.7105, 24.8110,
5.5724

■ 28.0403, 26.8341,
7.9777

■ 29.5965, 29.0511,
11.2567

■ 31.3950, 31.4701,
15.4878

■ 33.4502, 34.0990,
20.7406

■ 35.7752, 36.9446,
27.0779

■ 38.3819, 40.0137,
34.5577

■ 41.2817, 43.3125,
43.2337

Harmonies

Analogous

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



31.4186, 21.3048, 6.5451



24.6494, 21.3048, 2.9854



17.8952, 21.3048, 2.6718

Triad

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



24.6494, 21.3048, 2.9854



10.1599, 21.3048, 30.9522



29.8153, 21.3048, 62.8670

Complementary

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



24.6494, 21.3048, 2.9854



10.7622, 8.2318, 44.2012

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.



22.8019, 21.3048, 80.4167



24.6494, 21.3048, 2.9854



12.1015, 21.3048, 56.3312

Square

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



24.6494, 21.3048, 2.9854



10.4439, 21.3048, 13.2957



16.4072, 21.3048, 77.5292



34.8208, 21.3048, 37.0900

Rectangle

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



24.6494, 21.3048, 2.9854



14.3634, 21.3048, 3.9022



16.4072, 21.3048, 77.5292



27.5575, 21.3048, 70.4243

Sweetspot

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



24.6499, 21.3059, 2.9858



63.6231, 65.4863, 45.6360



20.1782, 10.3499, 7.6998



13.3681, 13.6851, 8.8191



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.6499, 21.3059, 2.9858



43.9397, 37.2154, 4.8674



31.3765, 40.3997, 6.3167



8.9127, 9.3379, 8.9852



17.0696, 14.6378, 1.9257



0.5918, 0.5700, 0.0788

Inverse Universe

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



10.7622, 8.2318, 44.2012



18.7370, 13.5738, 79.9271



8.6661, 3.6127, 43.4201



8.3053, 8.7568, 10.7588



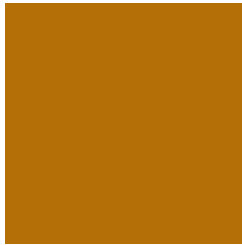
7.3547, 5.5097, 30.8128



0.2891, 0.2887, 0.9887

Previews

White Background



This preview shows how the XYZ color 24.6494, 21.3048, 2.9854 looks on a white background.

Color Contrast Check

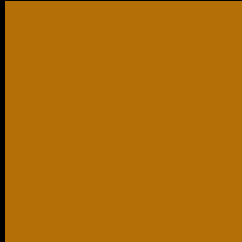
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6494, 21.3048, 2.9854 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 24.6494, 21.3048, 2.9854

Background



This preview shows how black text looks on a background with the XYZ color 24.6494, 21.3048, 2.9854.



This preview shows how white text looks on a background with the XYZ color 24.6494, 21.3048,

2.9854.

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

24.6494, 21.3048, 2.9854

Protanopia

19.3000, 21.3993, 3.5287

Deuteranopia

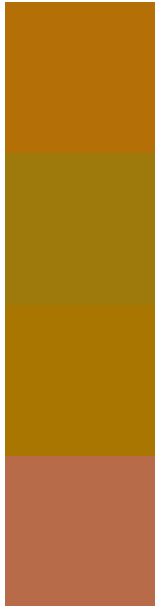
21.7377, 21.3561, 2.9764



Tritanopia

27.6421, 21.2608, 17.9761

Trichromacy



Original Color

24.6494, 21.3048, 2.9854

Protanomaly

20.9246, 21.1113, 3.2887

Deuteranomaly

22.8516, 21.3963, 2.9829

Tritanomaly

25.9887, 21.0637, 8.9993

Monochromacy



Original Color

24.6494, 21.3048, 2.9854

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9279, 19.0379, 10.0742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6494, 21.3048, 2.9854 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(180, 112, 6)` looks like.

```
.text, #text, p{  
    color:rgb(180, 112, 6)  
}
```

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(180, 112, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 112, 6) }
```

Border

The CSS property to change the border of an element to XYZ 24.6494, 21.3048, 2.9854 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(180, 112, 6) }
```


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

```
.border{ border-color:rgb(180, 112, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 112, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 112, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 112, 6);  
box-shadow:4px 4px 4px 4px rgb(180, 112,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6494, 21.3048, 2.9854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 112, 6) }
```

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

```
.background{ background-color: rgb(180,  
112, 6) }
```

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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