

Converting Colors

XYZ(31.4421, 32.2195, 12.3464)

Have a look what the booklet for
XYZ(31.4421, 32.2195, 12.3464)
contains.

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Color

**XYZ(31.4476, 32.2305,
12.3482)**

Conversions

Conversions Part 1

Format	Color
Hex	B59651
RGB	181, 150, 81
RGB Percent	71%, 59%, 32%
CMY	0.2902, 0.4117, 0.6823
CMYK	0.00, 0.17, 0.55, 0.29
HSL	41°, 40%, 51%
HSV	41°, 55%, 71%
XYZ	31.4476, 32.2305, 12.3482
YIQ	151.4030, 40.6250, -14.8870

Conversions

Conversions Part 2

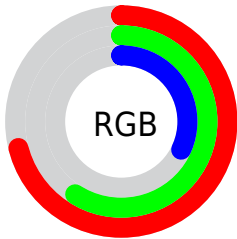
Format	Color
RYB	126, 181, 81
Decimal	11900497
CIELab	63.53, 3.01, 40.32
CIELCh	64, 40.430, 85.733
Yxy	32.2305, 0.4136, 0.4239
Android (android.graphics.Color)	4290090577 (0xFFB59651)
YUV	151.4030, -34.7087, 25.9566
Hunter-Lab	56.7719, -0.4745, 26.8444

Details

The XYZ color **31.4476, 32.2305, 12.3482** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.5278, 16.6732, 46.0104**, and the grayscale version is **29.7209, 31.2687, 34.0516**.

A 20% lighter version of the original color is **61.3543, 63.2024, 30.7954**, and **13.3267, 13.4636, 3.2628** is the 20% darker color. If you saturate the color by 10%, you get **29.9836, 30.2478, 8.9464**, and if you desaturate by 10%, it is **33.1370, 34.3744, 16.7183**.

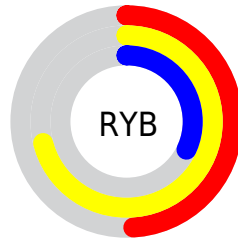
Distribution



Red (71%)

Green (59%)

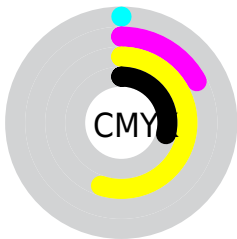
Blue (32%)



Red (49%)

Yellow (71%)

Blue (32%)

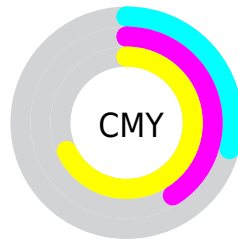


Cyan (0%)

Magenta (17%)

Yellow (55%)

Black (29%)



Cyan (29%)

Magenta (41%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4476, 32.2305, 12.3482 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 31.4476, 32.2305, 12.3482 by changing the saturation by 10% instead.

■ 31.4476, 32.2305,
12.3482

■ 31.4476, 32.2305,
12.3482

300.3853,
312.1679, 217.7561

■ 21.0934, 21.5376,
6.8559

■ 61.3151, 63.1723,
30.8015

■ 13.3052, 13.5175,
3.2950

■ 81.5592, 84.1899,
44.5996

■ 7.7175, 7.7859,
1.2472

■ 105.8306,
109.4180, 62.0034

■ 3.9650, 3.9582,
0.0179

■ 134.4948,
139.2408, 83.4314

■ 1.6823, 1.6502,
0.0000

■ 167.9169,
174.0429, 109.3021

■ 0.4452, 0.3911,
0.0000

206.4625,

■ 0.0000, 0.0000,

214.2084, 140.0341

0.0000

250.4969,
260.1220, 176.0459

■ 31.4476, 32.2305,
12.3482

■ 31.4476, 32.2305,
12.3482

■ 29.9836, 30.2478,
8.9464

■ 33.1370, 34.3744,
16.7183

■ 28.7273, 28.4145,
6.4331

■ 35.0630, 36.6813,
22.1241

■ 27.6618, 26.7243,
4.7193

■ 37.2390, 39.1587,
28.6289

■ 26.7655, 25.1674,
3.6941

■ 39.6765, 41.8119,
36.2906

■ 26.3767, 24.4651,
3.3320

■ 42.3861, 44.6462,
45.1629

■ 45.3780, 47.6664,
55.2961

■ 48.6615, 50.8773,
66.7378

■ 52.2459, 54.2832,
79.5329

■ 56.1397, 57.8884,
93.7244

Harmonies

Analogous

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



37.1509, 32.2305, 15.1837



31.4476, 32.2305, 12.3482



26.1651, 32.2305, 13.9005

Triad

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



31.4476, 32.2305, 12.3482



21.8711, 32.2305, 50.3697



40.4927, 32.2305, 55.6328

Complementary

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



31.4476, 32.2305, 12.3482



17.5278, 16.6732, 46.0104

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.



35.5851, 32.2305, 71.1399



31.4476, 32.2305, 12.3482



24.9278, 32.2305, 67.5046

Square

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



31.4476, 32.2305, 12.3482



21.0470, 32.2305, 32.8344



29.8348, 32.2305, 76.0415



42.7636, 32.2305, 37.4540

Rectangle

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



31.4476, 32.2305, 12.3482



23.5097, 32.2305, 17.5802



29.8348, 32.2305, 76.0415



39.0695, 32.2305, 61.5246

Sweetspot

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



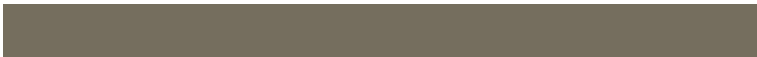
31.4484, 32.2320, 12.3488



70.1321, 73.8908, 62.0287



24.9605, 16.8936, 17.4702



14.9687, 15.7660, 12.8063



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.



31.4484, 32.2320, 12.3488



53.2555, 53.5442, 15.0720



33.0452, 41.3932, 14.0330



8.9704, 9.4533, 9.0044



18.2474, 16.9933, 2.3183



0.6232, 0.6327, 0.0893

Inverse Universe

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



17.5278, 16.6732, 46.0104



25.9135, 23.0452, 81.3770



16.4653, 11.8929, 45.1437



8.2497, 8.6456, 10.7403



6.7833, 4.3670, 30.6224



0.2667, 0.2439, 0.9813

Previews

White Background



This preview shows how the XYZ color 31.4476, 32.2305, 12.3482 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 31.4476, 32.2305, 12.3482 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 31.4476, 32.2305, 12.3482

Background



This preview shows how black text looks on a background with the XYZ color 31.4476, 32.2305, 12.3482.



This preview shows how white text looks on a background with the XYZ color 31.4476, 32.2305,

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

31.4476, 32.2305, 12.3482

Protanopia

29.6562, 32.2664, 12.6476

Deuteranopia

32.9430, 32.2955, 12.4800



Tritanopia

35.9163, 32.2107, 34.4613

Trichromacy



Original Color

31.4476, 32.2305, 12.3482

Protanomaly

30.3698, 32.3903, 12.6339

Deuteranomaly

32.3626, 32.2281, 12.4976

Tritanomaly

33.9637, 32.0974, 24.4840

Monochromacy



Original Color

31.4476, 32.2305, 12.3482

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7328, 31.3210, 24.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4476, 32.2305, 12.3482 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(181, 150, 81)` looks like.

```
.text, #text, p{  
    color:rgb(181, 150, 81)  
}
```

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(181, 150, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 150, 81) }
```

Border

The CSS property to change the border of an element to XYZ 31.4476, 32.2305, 12.3482 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(181, 150, 81) }
```


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

```
.border{ border-color:rgb(181, 150, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 150, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 150, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 150, 81);  
box-shadow:4px 4px 4px 4px rgb(181, 150,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4476, 32.2305, 12.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 150, 81) }
```

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

```
.background{ background-color: rgb(181,  
150, 81) }
```

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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