

Converting Colors

XYZ(32.0744, 29.2900, 18.0900)

Have a look what the booklet for
XYZ(32.0744, 29.2900, 18.0900)
contains.

XYZ(32.0045, 29.2558, 18.1475)	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(32.0045, 29.2558,
18.1475)**

Conversions

Conversions Part 1

Format	Color
Hex	BB886C
RGB	187, 136, 108
RGB Percent	73%, 53%, 42%
CMY	0.2667, 0.4666, 0.5765
CMYK	0.00, 0.27, 0.42, 0.27
HSL	21°, 37%, 58%
HSV	21°, 42%, 73%
XYZ	32.0045, 29.2558, 18.1475
YIQ	148.0570, 39.3840, 2.1040

Conversions

Conversions Part 2

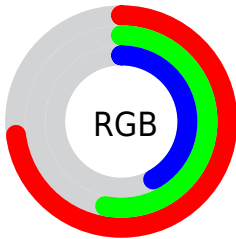
Format	Color
RYB	187, 151, 108
Decimal	12290156
CIELab	61.01, 15.93, 22.71
CIELCh	61, 27.734, 54.953
Yxy	29.2558, 0.4030, 0.3684
Android (android.graphics.Color)	4290480236 (0xFFBB886C)
YUV	148.0570, -19.7481, 34.1530
Hunter-Lab	54.0886, 10.9642, 17.9694

Details

The XYZ color **32.0045, 29.2558, 18.1475** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **27.5518, 31.5713, 51.6556**, and the grayscale version is **28.2410, 29.7117, 32.3561**.

A 20% lighter version of the original color is **62.1989, 58.3457, 41.2413**, and **13.6591, 11.8874, 5.8495** is the 20% darker color. If you saturate the color by 10%, you get **29.5087, 25.6898, 12.9210**, and if you desaturate by 10%, it is **34.9067, 33.2930, 24.5632**.

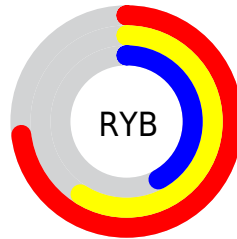
Distribution



Red (73%)

Green (53%)

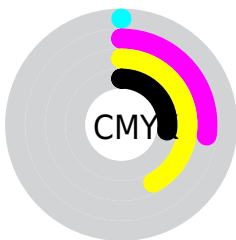
Blue (42%)



Red (73%)

Yellow (59%)

Blue (42%)

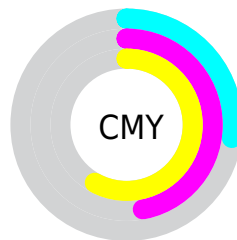


Cyan (0%)

Magenta (27%)

Yellow (42%)

Black (27%)



Cyan (27%)


Magenta (47%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0045, 29.2558, 18.1475 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 32.0045, 29.2558, 18.1475 by changing the saturation by 10% instead.


 32.0045, 29.2558,
18.1475


 32.0045, 29.2558,
18.1475


302.8847,
298.4200, 253.9651

 21.5205, 19.2744,
10.8854


 62.1833, 58.4833,
41.1058


 13.6196, 11.8687,
5.8766


 82.6088, 78.4981,
57.6391

 7.9365, 6.6544,
2.7026

 107.0788,
102.6263, 78.0999

 4.1058, 3.2469,
0.9448

 135.9588,
131.2521, 102.9068

 1.7622, 1.2619,
0.0000

169.6140,
164.7600, 132.4781

 0.4947, 0.1115,
0.0000

208.4098,

 0.0000, 0.0000,

203.5343, 167.2326

0.0000

252.7116,
247.9595, 207.5888

■ 32.0045, 29.2558,
18.1475

■ 32.0045, 29.2558,
18.1475

■ 29.5087, 25.6898,
12.9210

■ 34.9067, 33.2930,
24.5632

■ 27.3971, 22.5726,
8.8073

■ 38.2318, 37.8143,
32.2345

■ 25.6483, 19.8861,
5.7238

■ 41.9977, 42.8371,
41.2249

■ 24.2377, 17.6093,
3.5751

■ 46.2209, 48.3770,
51.5930

■ 23.1366, 15.7185,
2.2481

■ 50.9168, 54.4485,
63.3941

■ 22.4586, 14.4949,
1.6141

■ 56.1000, 61.0657,
76.6802

■ 61.7846, 68.2422,
91.5007

■ 67.5623, 75.8222,
105.6820

■ 71.0890, 82.8757,
106.8576

Harmonies

Analogous

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



34.6171, 29.2558, 24.1535



32.0045, 29.2558, 18.1475



28.4245, 29.2558, 15.8205

Triad

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



32.0045, 29.2558, 18.1475



21.4255, 29.2558, 30.1305



30.8522, 29.2558, 53.5974

Complementary

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



32.0045, 29.2558, 18.1475



27.5518, 31.5713, 51.6556

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.



27.1981, 29.2558, 56.1638



32.0045, 29.2558, 18.1475



21.9539, 29.2558, 41.0400

Square

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



32.0045, 29.2558, 18.1475



22.4819, 29.2558, 21.7115



23.9931, 29.2558, 51.1512



33.9123, 29.2558, 44.7478

Rectangle

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



32.0045, 29.2558, 18.1475



26.0468, 29.2558, 16.1989



23.9931, 29.2558, 51.1512



29.6443, 29.2558, 55.2947

Sweetspot

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



32.0052, 29.2572, 18.1481



74.5316, 75.8131, 72.1739



32.1448, 23.8056, 35.8614



16.0716, 16.2421, 15.0716



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.0052, 29.2572, 18.1481



53.0239, 46.2625, 23.4941



38.5597, 42.3661, 20.3329



9.7995, 10.0749, 10.0048



15.5365, 10.1118, 1.1329



0.6710, 0.5210, 0.0652

Inverse Universe

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



27.5518, 31.5713, 51.6556



43.9298, 50.9233, 91.7152



21.8528, 20.1733, 49.7559



9.5163, 10.2249, 12.1442



10.9371, 11.9860, 34.1300



0.4879, 0.5885, 1.3567

Previews

White Background



This preview shows how the XYZ color 32.0045, 29.2558, 18.1475 looks on a white background.

Color Contrast Check

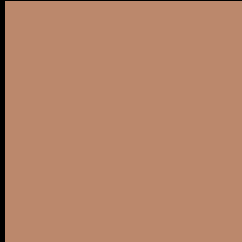
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0045, 29.2558, 18.1475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

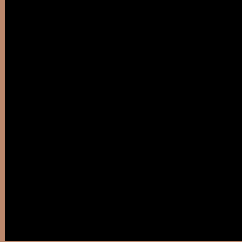
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0045, 29.2558, 18.1475

Background



This preview shows how black text looks on a background with the XYZ color 32.0045, 29.2558, 18.1475.



This preview shows how white text looks on a background with the XYZ color 32.0045, 29.2558,

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

32.0045, 29.2558, 18.1475

Protanopia

27.5149, 29.3288, 19.8336

Deuteranopia

29.8579, 29.2252, 17.9773



Tritanopia

34.1592, 29.1028, 29.0163

Trichromacy



Original Color

32.0045, 29.2558, 18.1475

Protanomaly

29.0539, 29.2276, 19.1491

Deuteranomaly

30.4769, 29.1105, 17.9225

Tritanomaly

33.3362, 29.1789, 24.6439

Monochromacy



Original Color

32.0045, 29.2558, 18.1475

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.1072, 29.3214, 26.3158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0045, 29.2558, 18.1475 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(187, 136, 108)` looks like.

```
.text, #text, p{  
    color:rgb(187, 136, 108)  
}
```

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(187, 136, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 136, 108) }
```

Border

The CSS property to change the border of an element to XYZ 32.0045, 29.2558, 18.1475 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(187, 136, 108) }
```


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

```
.border{ border-color:rgb(187, 136, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 136, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 136, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 136, 108); box-shadow:4px 4px 4px 4px rgb(187, 136, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0045, 29.2558, 18.1475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 136, 108) }
```

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

```
.background{ background-color: rgb(187,  
136, 108) }
```

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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