

Converting Colors

XYZ(32.0167, 29.5559, 12.5688)

Have a look what the booklet for
XYZ(32.0167, 29.5559, 12.5688)
contains.

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Color

**XYZ(32.0712, 29.6236,
12.6219)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8955
RGB	191, 137, 85
RGB Percent	75%, 54%, 33%
CMY	0.2510, 0.4627, 0.6667
CMYK	0.00, 0.28, 0.55, 0.25
HSL	29°, 45%, 54%
HSV	29°, 55%, 75%
XYZ	32.0712, 29.6236, 12.6219
YIQ	147.2180, 48.8760, -4.7240

Conversions

Conversions Part 2

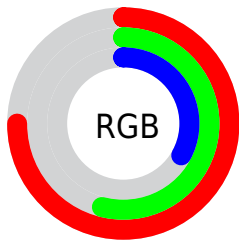
Format	Color
R_{YB}	191, 187, 85
Decimal	12552533
CIE _{Lab}	61.33, 14.78, 35.81
CIE _{LCh}	61, 38.738, 67.567
Yxy	29.6236, 0.4315, 0.3986
Android (android.graphics.Color)	4290742613 (0xFFBF8955)
YUV	147.2180, -30.6735, 38.3968
Hunter-Lab	54.4276, 9.9321, 24.3498

Details

The XYZ color **32.0712, 29.6236, 12.6219** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.3823, 24.1569, 52.7730**, and the grayscale version is **27.9329, 29.3876, 32.0031**.

A 20% lighter version of the original color is **62.2817, 58.9285, 31.3843**, and **13.5896, 12.0247, 3.4385** is the 20% darker color. If you saturate the color by 10%, you get **30.0913, 26.7187, 8.7103**, and if you desaturate by 10%, it is **34.3821, 32.8629, 17.6548**.

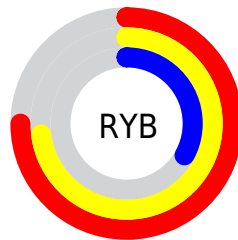
Distribution



Red (75%)

Green (54%)

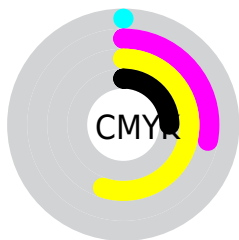
Blue (33%)



Red (75%)

Yellow (73%)

Blue (33%)

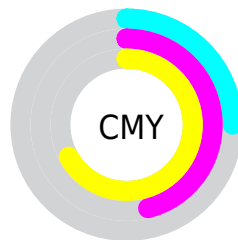


Cyan (0%)

Magenta (28%)

Yellow (55%)

Black (25%)



Cyan (25%)

Magenta (46%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0712, 29.6236, 12.6219 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 32.0712, 29.6236, 12.6219 by changing the saturation by 10% instead.


 32.0712, 29.6236,
12.6219


 32.0712, 29.6236,
12.6219


303.1830,
300.1460, 219.6021

 21.5717, 19.5531,
7.0411


 62.2871, 59.0664,
31.3040


 13.6574, 12.0706,
3.4090


 82.7343, 79.2075,
45.2423


 7.9629, 6.7918,
1.3071


 107.2280,
103.4742, 62.8035

 4.1228, 3.3322,
0.0676

 136.1337,
132.2509, 84.4062

 1.7718, 1.3075,
0.0000

 169.8167,
165.9221, 110.4688

 0.5006, 0.1470,
0.0000

208.6423,

 0.0000, 0.0000,

204.8720, 141.4100

0.0000

252.9760,
249.4852, 177.6483

■ 32.0712, 29.6236,
12.6219

■ 32.0712, 29.6236,
12.6219

■ 30.0913, 26.7187,
8.7103

■ 34.3821, 32.8629,
17.6548

■ 28.4200, 24.1303,
5.8281

■ 37.0400, 36.4444,
23.8873

■ 27.0351, 21.8454,
3.8717

■ 40.0623, 40.3811,
31.3928

■ 25.9088, 19.8470,
2.7123

■ 43.4644, 44.6840,
40.2381

■ 25.4624, 19.0296,
2.3311

■ 47.2608, 49.3633,
50.4854

■ 51.4651, 54.4290,
62.1929

■ 56.0903, 59.8905,
75.4155

■ 61.1488, 65.7569,
90.2053

■ 66.3446, 71.9140,
104.9918

Harmonies

Analogous

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



36.6766, 29.6236, 17.9707



32.0712, 29.6236, 12.6219



26.8833, 29.6236, 11.6412

Triad

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



32.0712, 29.6236, 12.6219



19.5029, 29.6236, 36.1008



34.5758, 29.6236, 60.0670

Complementary

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



32.0712, 29.6236, 12.6219



22.3823, 24.1569, 52.7730

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.



29.4690, 29.6236, 68.9237



32.0712, 29.6236, 12.6219



21.0697, 29.6236, 52.6125

Square

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



32.0712, 29.6236, 12.6219



20.0221, 29.6236, 22.6717



24.5738, 29.6236, 65.8470



38.2402, 29.6236, 44.2176

Rectangle

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



32.0712, 29.6236, 12.6219



23.8531, 29.6236, 13.1999



24.5738, 29.6236, 65.8470



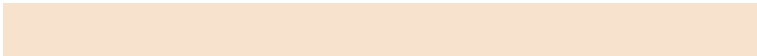
32.9483, 29.6236, 64.1492

Sweetspot

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



32.0719, 29.6251, 12.6225



76.7145, 78.6151, 69.0789



29.4508, 19.4601, 26.9250



16.5670, 16.9126, 14.4377



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



32.0719, 29.6251, 12.6225



53.0752, 46.6116, 14.1077



41.3732, 48.2277, 15.7229



9.9062, 10.2884, 10.0404



16.8139, 12.6665, 1.5587



0.7241, 0.6271, 0.0829

Inverse Universe

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



22.3823, 24.1569, 52.7730



33.9339, 35.8024, 93.4012



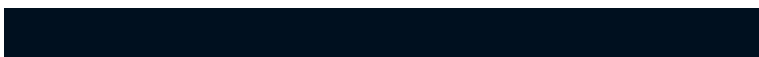
16.5398, 12.4718, 50.8255



9.4074, 10.0071, 12.1080



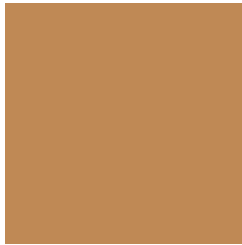
9.0881, 8.2879, 33.5136



0.4213, 0.4553, 1.3345

Previews

White Background



This preview shows how the XYZ color 32.0712, 29.6236, 12.6219 looks on a white background.

Color Contrast Check

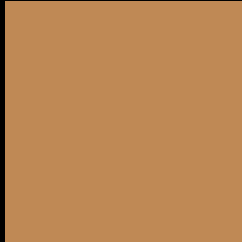
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0712, 29.6236, 12.6219 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 32.0712, 29.6236, 12.6219

Background



This preview shows how black text looks on a background with the XYZ color 32.0712, 29.6236, 12.6219.



This preview shows how white text looks on a background with the XYZ color 32.0712, 29.6236,

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

32.0712, 29.6236, 12.6219

Protanopia

27.2934, 29.5825, 13.7227

Deuteranopia

30.3293, 29.8099, 12.5429



Tritanopia

35.2219, 29.4608, 28.6411

Trichromacy



Original Color

32.0712, 29.6236, 12.6219

Protanomaly

28.9683, 29.5353, 13.4066

Deuteranomaly

30.9859, 29.7105, 12.4891

Tritanomaly

34.0258, 29.6005, 21.6894

Monochromacy



Original Color

32.0712, 29.6236, 12.6219

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5648, 28.8867, 23.1389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0712, 29.6236, 12.6219 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(191, 137, 85)` looks like.

```
.text, #text, p{  
    color:rgb(191, 137, 85)  
}
```

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(191, 137, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 137, 85) }
```

Border

The CSS property to change the border of an element to XYZ 32.0712, 29.6236, 12.6219 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(191, 137, 85) }
```


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

```
.border{ border-color:rgb(191, 137, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 137, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 137, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 137, 85);  
box-shadow:4px 4px 4px 4px rgb(191, 137,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0712, 29.6236, 12.6219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 137, 85) }
```

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

```
.background{ background-color: rgb(191,  
137, 85) }
```

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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