

Converting Colors

XYZ(30.3627, 30.0331, 18.5060)

Have a look what the booklet for
XYZ(30.3627, 30.0331, 18.5060)
contains.

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Color

**XYZ(30.3592, 30.1432,
18.4055)**

Conversions

Conversions Part 1

Format	Color
Hex	AF906C
RGB	175, 144, 108
RGB Percent	69%, 56%, 42%
CMY	0.3137, 0.4353, 0.5765
CMYK	0.00, 0.18, 0.38, 0.31
HSL	32°, 30%, 55%
HSV	32°, 38%, 69%
XYZ	30.3592, 30.1432, 18.4055
YIQ	149.1650, 30.0320, -4.6240

Conversions

Conversions Part 2

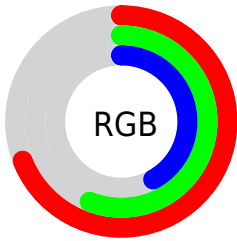
Format	Color
RYB	166, 175, 108
Decimal	11505772
CIELab	61.78, 6.54, 23.52
CIELCh	62, 24.407, 74.463
Yxy	30.1432, 0.3847, 0.3820
Android (android.graphics.Color)	4289695852 (0xFFAF906C)
YUV	149.1650, -20.2943, 22.6573
Hunter-Lab	54.9028, 2.6239, 18.5557

Details

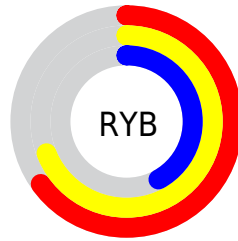
The XYZ color **30.3592, 30.1432, 18.4055** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **23.1545, 24.7476, 44.1137**, and the grayscale version is **28.7111, 30.2063, 32.8947**.

A 20% lighter version of the original color is **59.8180, 60.0820, 41.7020**, and **12.7035, 12.3966, 5.9982** is the 20% darker color. If you saturate the color by 10%, you get **28.3373, 27.4433, 13.5887**, and if you desaturate by 10%, it is **32.6575, 33.0966, 24.2375**.

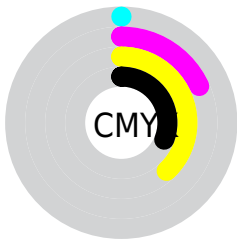
Distribution



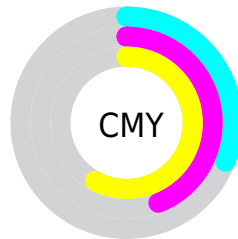
- Red (69%)
- Green (56%)
- Blue (42%)



- Red (65%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (31%)



- Cyan (31%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3592, 30.1432, 18.4055 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 30.3592, 30.1432, 18.4055 by changing the saturation by 10% instead.

■ 30.3592, 30.1432,
18.4055

■ 30.3592, 30.1432,
18.4055

295.4551,
302.5714, 255.4592

■ 20.2608, 19.9473,
11.0691

■ 59.6125, 59.8886,
41.5503

■ 12.6941, 12.3567,
5.9985

■ 79.4981, 80.2068,
58.1958

■ 7.2938, 6.9871,
2.7754

■ 103.3769,
104.6680, 78.7813

■ 3.6945, 3.4540,
0.9811

■ 131.6141,
133.6565, 103.7255

■ 1.5308, 1.3731,
0.0000

164.5752,
167.5567, 133.4468

■ 0.3466, 0.1968,
0.0000

202.6255,

■ 0.0000, 0.0000,

206.7529, 168.3639

0.0000

246.1303,
251.6297, 208.8952

■ 30.3592, 30.1432,
18.4055

■ 30.3592, 30.1432,
18.4055

■ 28.3373, 27.4433,
13.5887

■ 32.6575, 33.0966,
24.2375

■ 26.5766, 24.9846,
9.7254

■ 35.2421, 36.3070,
31.1376

■ 25.0633, 22.7596,
6.7498

■ 38.1250, 39.7830,
39.1576

■ 23.7815, 20.7588,
4.5873

■ 41.3168, 43.5315,
48.3450

■ 22.7126, 18.9715,
3.1503

■ 44.8275, 47.5593,
58.7447

■ 21.8266, 17.3825,
2.2910

■ 48.6668, 51.8727,
70.3991

■ 21.6855, 17.1266,
2.1628

■ 52.8438, 56.4777,
83.3487

■ 57.3672, 61.3805,
97.6320

■ 60.5080, 65.8916,
104.1370

Harmonies

Analogous

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



33.3522, 30.1432, 21.8004



30.3592, 30.1432, 18.4055



27.1156, 30.1432, 18.3465

Triad

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



30.3592, 30.1432, 18.4055



23.0082, 30.1432, 37.5033



33.2606, 30.1432, 47.3443

Complementary

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



30.3592, 30.1432, 18.4055



23.1545, 24.7476, 44.1137

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.



30.2417, 30.1432, 53.4117



30.3592, 30.1432, 18.4055



24.4123, 30.1432, 47.0419

Square

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



30.3592, 30.1432, 18.4055



23.0344, 30.1432, 28.2508



27.0066, 30.1432, 53.2916



35.1118, 30.1432, 37.8589

Rectangle

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



30.3592, 30.1432, 18.4055



25.2531, 30.1432, 20.1516



27.0066, 30.1432, 53.2916



32.3391, 30.1432, 49.9246

Sweetspot

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



30.3600, 30.1446, 18.4061



66.7244, 69.3916, 65.7453



27.7216, 21.7113, 27.2582



14.6762, 15.2380, 14.1818



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.3600, 30.1446, 18.4061



51.2607, 49.8431, 25.5115



35.2188, 40.6002, 20.1682



8.3483, 8.7013, 8.4529



15.5918, 12.3891, 1.5696



0.4877, 0.4527, 0.0617

Inverse Universe

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



23.1545, 24.7476, 44.1137



36.4973, 38.7904, 78.2005



19.5602, 17.1506, 42.8368



7.8728, 8.3450, 10.1485



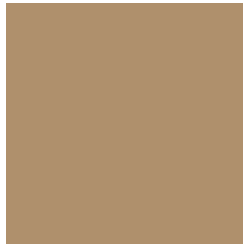
7.7067, 6.5472, 29.9021



0.2695, 0.2923, 0.8502

Previews

White Background



This preview shows how the XYZ color 30.3592, 30.1432, 18.4055 looks on a white background.

Color Contrast Check

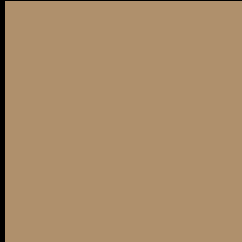
Large Text (above 18pt) WCAG AA × Fail

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 30.3592, 30.1432, 18.4055 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 30.3592, 30.1432, 18.4055

Background



This preview shows how black text looks on a background with the XYZ color 30.3592, 30.1432, 18.4055.



This preview shows how white text looks on a background with the XYZ color 30.3592, 30.1432,

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

30.3592, 30.1432, 18.4055

Protanopia

28.0591, 30.0943, 19.0818

Deuteranopia

30.6607, 30.0747, 18.3764



Tritanopia

33.2478, 30.2189, 32.5142

Trichromacy



Original Color

30.3592, 30.1432, 18.4055

Protanomaly

28.7111, 29.9709, 18.7397

Deuteranomaly

30.4337, 29.9577, 18.3657

Tritanomaly

32.1880, 30.2360, 26.6939

Monochromacy



Original Color

30.3592, 30.1432, 18.4055

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8373, 29.8578, 26.7975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3592, 30.1432, 18.4055 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(175, 144, 108)` looks like.

```
.text, #text, p{  
    color:rgb(175, 144, 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(175, 144, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 144, 108) }
```

Border

The CSS property to change the border of an element to XYZ 30.3592, 30.1432, 18.4055 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(175, 144, 108) }
```


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

```
.border{ border-color:rgb(175, 144, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 144, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 144, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 144, 108);  
box-shadow:4px 4px 4px 4px rgb(175, 144,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3592, 30.1432, 18.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 144, 108) }
```

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

```
.background{ background-color: rgb(175,  
144, 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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