

Converting Colors

XYZ(30.7750, 32.3202, 18.4030)

Have a look what the booklet for
XYZ(30.7750, 32.3202, 18.4030)
contains.

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Color

**XYZ(30.6767, 32.1759,
18.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	AB986B
RGB	171, 152, 107
RGB Percent	67%, 60%, 42%
CMY	0.3294, 0.4039, 0.5804
CMYK	0.00, 0.11, 0.37, 0.33
HSL	42°, 28%, 55%
HSV	42°, 37%, 67%
XYZ	30.6767, 32.1759, 18.5037
YIQ	152.5510, 25.7690, -9.9670

Conversions

Conversions Part 2

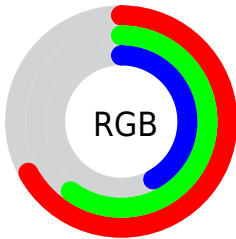
Format	Color
RYB	134, 171, 107
Decimal	11245675
CIELab	63.49, 0.35, 26.27
CIELCh	63, 26.270, 89.231
Yxy	32.1759, 0.3771, 0.3955
Android (android.graphics.Color)	4289435755 (0xFFAB986B)
YUV	152.5510, -22.4566, 16.1798
Hunter-Lab	56.7238, -2.7324, 20.3659

Details

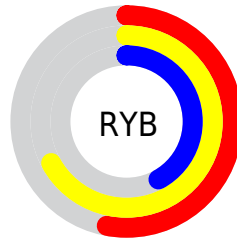
The XYZ color **30.6767, 32.1759, 18.5037** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.8749, 20.9873, 41.4790**, and the grayscale version is **30.1704, 31.7416, 34.5666**.

A 20% lighter version of the original color is **60.0079, 62.9767, 41.7939**, and **12.9143, 13.4747, 6.0579** is the 20% darker color. If you saturate the color by 10%, you get **29.0586, 30.2397, 13.9562**, and if you desaturate by 10%, it is **32.5097, 34.2568, 24.0013**.

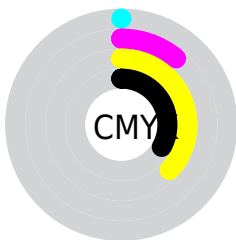
Distribution



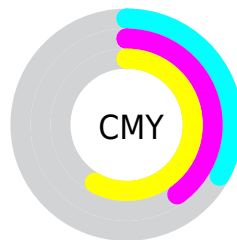
- Red (67%)
- Green (60%)
- Blue (42%)



- Red (53%)
- Yellow (67%)
- Blue (42%)



- Cyan (0%)
- Magenta (11%)
- Yellow (37%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6767, 32.1759, 18.5037 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 30.6767, 32.1759, 18.5037 by changing the saturation by 10% instead.

■ 30.6767, 32.1759,
18.5037

■ 30.6767, 32.1759,
18.5037

296.8996,
311.9198, 256.0258

■ 20.5034, 21.4959,
11.1391

■ 60.1100, 63.0867,
41.7192

■ 12.8719, 13.4870,
6.0451

■ 80.1008, 84.0864,
58.4072

■ 7.4168, 7.7647,
2.8033

■ 104.0947,
109.2946, 79.0400

■ 3.7727, 3.9448,
0.9951

■ 132.4572,
139.0960, 104.0362

■ 1.5744, 1.6427,
0.0000

165.5535,
173.8748, 133.8144

■ 0.3756, 0.3861,
0.0000

203.7492,

■ 0.0000, 0.0000,

214.0154, 168.7930

0.0000

247.4094,
259.9023, 209.3906

■ 30.6767, 32.1759,
18.5037

■ 30.6767, 32.1759,
18.5037

■ 29.0586, 30.2397,
13.9562

■ 32.5097, 34.2568,
24.0013

■ 27.6418, 28.4387,
10.3012

■ 34.5651, 36.4825,
30.4981

■ 26.4152, 26.7687,
7.4779

■ 36.8533, 38.8592,
38.0423

■ 25.3652, 25.2236,
5.4168

■ 39.3830, 41.3909,
46.6782

■ 24.4759, 23.7963,
4.0372

■ 42.1626, 44.0816,
56.4476

■ 23.7232, 22.4765,
3.2145

■ 45.1999, 46.9351,
67.3901

■ 23.5405, 22.1497,
3.0346

■ 48.5024, 49.9551,
79.5435

■ 52.0774, 53.1450,
92.9436

■ 54.9668, 56.1222,
102.5434

Harmonies

Analogous

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



34.3240, 32.1759, 20.4179



30.6767, 32.1759, 18.5037



27.2740, 32.1759, 20.2299

Triad

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



30.6767, 32.1759, 18.5037



24.8450, 32.1759, 45.8221



37.0336, 32.1759, 46.3843

Complementary

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



30.6767, 32.1759, 18.5037



20.8749, 20.9873, 41.4790

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.



34.1477, 32.1759, 55.7200



30.6767, 32.1759, 18.5037



27.1228, 32.1759, 55.3526

Square

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



30.6767, 32.1759, 18.5037



24.0737, 32.1759, 34.7645



30.4879, 32.1759, 59.2868



38.1693, 32.1759, 35.3051

Rectangle

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



30.6767, 32.1759, 18.5037



25.5579, 32.1759, 23.4562



30.4879, 32.1759, 59.2868



36.2253, 32.1759, 49.9055

Sweetspot

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



30.6775, 32.1774, 18.5044



64.4079, 67.9584, 62.8146



25.8314, 20.6853, 22.4380



14.2429, 15.0303, 13.6104



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.6775, 32.1774, 18.5044



52.4897, 54.7065, 26.2109



31.3569, 37.4770, 19.4915



8.4589, 8.9226, 8.4898



17.7934, 16.7924, 2.3034



0.5395, 0.5563, 0.0789

Inverse Universe

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



20.8749, 20.9873, 41.4790



32.3647, 31.7477, 73.4240



20.3268, 17.4349, 40.8222



7.7655, 8.1303, 10.1127



6.4667, 4.0672, 29.4887



0.2281, 0.2095, 0.8364

Previews

White Background



This preview shows how the XYZ color 30.6767, 32.1759, 18.5037 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 30.6767, 32.1759, 18.5037 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 30.6767, 32.1759, 18.5037

Background



This preview shows how black text looks on a background with the XYZ color 30.6767, 32.1759, 18.5037.



This preview shows how white text looks on a background with the XYZ color 30.6767, 32.1759,

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

30.6767, 32.1759, 18.5037

Protanopia

29.9883, 32.3009, 18.8415

Deuteranopia

32.6689, 32.0174, 18.6455



Tritanopia

34.2692, 32.2222, 36.3116

Trichromacy



Original Color

30.6767, 32.1759, 18.5037

Protanomaly

30.2465, 32.1900, 18.8065

Deuteranomaly

32.0446, 32.1613, 18.7062

Tritanomaly

32.7057, 32.0426, 28.8872

Monochromacy



Original Color

30.6767, 32.1759, 18.5037

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3324, 32.0336, 27.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6767, 32.1759, 18.5037 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(171, 152, 107)` looks like.

```
.text, #text, p{  
    color:rgb(171, 152, 107)  
}
```

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(171, 152, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 152, 107) }
```

Border

The CSS property to change the border of an element to XYZ 30.6767, 32.1759, 18.5037 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(171, 152, 107) }
```


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

```
.border{ border-color:rgb(171, 152, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 152, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 152, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 152, 107);  
box-shadow:4px 4px 4px 4px rgb(171, 152,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6767, 32.1759, 18.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 152, 107) }
```

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

```
.background{ background-color: rgb(171,  
152, 107) }
```

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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