

Converting Colors

XYZ(32.8330, 33.1021, 4.6589)

Have a look what the booklet for
XYZ(32.8330, 33.1021, 4.6589)
contains.

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Color

**XYZ(32.8987, 33.1501,
4.6647)**

Conversions

Conversions Part 1

Format	Color
Hex	C19600
RGB	193, 150, 0
RGB Percent	76%, 59%, 0%
CMY	0.2431, 0.4117, 0.9999
CMYK	0.00, 0.22, 1.00, 0.24
HSL	47°, 100%, 38%
HSV	47°, 100%, 76%
XYZ	32.8987, 33.1501, 4.6647
YIQ	145.7570, 73.7780, -37.5340

Conversions

Conversions Part 2

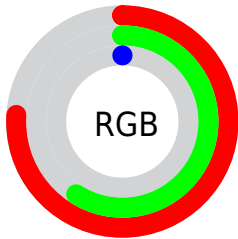
Format	Color
RYB	55, 193, 0
Decimal	12686848
CIELab	64.28, 5.02, 68.44
CIELCh	64, 68.620, 85.807
Yxy	33.1501, 0.4652, 0.4688
Android (android.graphics.Color)	4290876928 (0xFFC19600)
YUV	145.7570, -71.8582, 41.4321
Hunter-Lab	57.5761, 1.2358, 35.4997

Details

The XYZ color **32.8987, 33.1501, 4.6647** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **10.4900, 5.5787, 50.9757**, and the grayscale version is **27.4872, 28.9187, 31.4925**.

A 20% lighter version of the original color is **63.7019, 64.7510, 15.6193**, and **14.3887, 14.1827, 1.9792** is the 20% darker color. If you saturate the color by 10%, you get **32.8989, 33.1507, 4.6648**, and if you desaturate by 10%, it is **33.7184, 34.5975, 5.5311**.

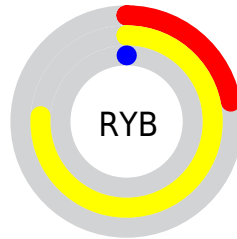
Distribution



Red (76%)

Green (59%)

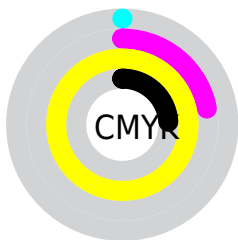
Blue (0%)



Red (22%)

Yellow (76%)

Blue (0%)

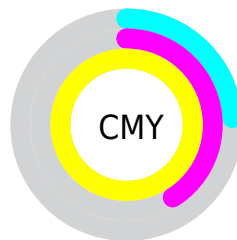


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8987, 33.1501, 4.6647 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 32.8987, 33.1501, 4.6647 by changing the saturation by 10% instead.


 32.8987, 33.1501,
4.6647


 32.8987, 33.1501,
4.6647


306.8661,
316.3255, 155.3495

 22.2077, 22.2415,
1.9966


 63.5731, 64.6098,
15.5159


 14.1271, 14.0344,
0.5532


 84.2872, 85.9296,
24.5360


 8.2914, 8.1446,
0.0000


 109.0730,
111.4887, 36.5107


 4.3353, 4.1876,
0.0000

 138.2960,
141.6713, 51.8583

 1.8935, 1.7791,
0.0000

 172.3215,
176.8619, 70.9974


 0.5731, 0.4741,
0.0000


 211.5147,


 0.0000, 0.0000,


217.4449, 94.3467


0.0000


 256.2411,
263.8046, 122.3245


 32.8987, 33.1501,
4.6647


 32.8987, 33.1501,
4.6647


 32.8989, 33.1507,
4.6648

 33.7184, 34.5975,
5.5311

 34.6823, 36.1418,
7.0342

 35.8340, 37.8024,
9.3995

 37.1955, 39.5885,
12.7418

 38.7855, 41.5080,
17.1584

■ 40.6206, 43.5677,
22.7347

■ 42.7155, 45.7742,
29.5476

■ 45.0838, 48.1330,
37.6672

■ 47.7380, 50.6497,
47.1585

Harmonies

Analogous

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



43.2595, 33.1501, 7.4111



32.8987, 33.1501, 4.6647



24.0324, 33.1501, 6.1272

Triad

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



32.8987, 33.1501, 4.6647



17.4668, 33.1501, 64.8707



49.6942, 33.1501, 75.4483

Complementary

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



32.8987, 33.1501, 4.6647



10.4900, 5.5787, 50.9757

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.



40.3928, 33.1501, 109.1997



32.8987, 33.1501, 4.6647



22.1046, 33.1501, 101.1931

Square

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



32.8987, 33.1501, 4.6647



16.2677, 33.1501, 32.3102



30.1574, 33.1501, 120.4647



54.1427, 33.1501, 40.1640

Rectangle

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



32.8987, 33.1501, 4.6647



19.8891, 33.1501, 10.1165



30.1574, 33.1501, 120.4647



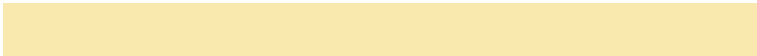
46.9488, 33.1501, 87.9360

Sweetspot

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



32.8994, 33.1517, 4.6653



76.3144, 81.7878, 52.2858



22.4669, 11.5275, 3.5280



16.0195, 17.1801, 10.0550



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.



32.8994, 33.1517, 4.6653



58.7306, 58.9897, 8.2907



30.1459, 43.8497, 6.8754



10.7169, 11.3653, 10.6908



21.9433, 22.1724, 3.1232



0.9962, 1.0542, 0.1510

Inverse Universe

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



10.4900, 5.5787, 50.9757



18.6381, 9.6927, 91.2488



11.0151, 4.5668, 50.7527



9.7063, 10.1039, 12.7235



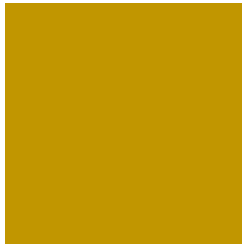
7.0267, 3.8100, 33.9217



0.3568, 0.2710, 1.4834

Previews

White Background



This preview shows how the XYZ color 32.8987, 33.1501, 4.6647 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 32.8987, 33.1501, 4.6647 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 32.8987, 33.1501, 4.6647

Background



This preview shows how black text looks on a background with the XYZ color 32.8987, 33.1501, 4.6647.



This preview shows how white text looks on a background with the XYZ color 32.8987, 33.1501,

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

32.8987, 33.1501, 4.6647

Protanopia

30.0163, 33.3660, 5.1454

Deuteranopia

33.6706, 33.0720, 4.8961



Tritanopia

38.5571, 32.9466, 33.1813

Trichromacy



Original Color

32.8987, 33.1501, 4.6647

Protanomaly

30.8799, 33.0694, 4.9278

Deuteranomaly

33.5453, 33.2438, 4.8210

Tritanomaly

34.9140, 32.3415, 15.2288

Monochromacy



Original Color

32.8987, 33.1501, 4.6647

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.5138, 29.4443, 14.5891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8987, 33.1501, 4.6647 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(193, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 150, 0)  
}
```

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(193, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8987, 33.1501, 4.6647 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(193, 150, 0) }
```


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

```
.border{ border-color:rgb(193, 150, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 150, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 150,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8987, 33.1501, 4.6647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 150, 0) }
```

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

```
.background{ background-color: rgb(193,  
150, 0) }
```

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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