

Converting Colors

XYZ(32.6345, 33.2802, 4.7037)

Have a look what the booklet for
XYZ(32.6345, 33.2802, 4.7037)
contains.

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Color

**XYZ(32.5525, 33.2096,
4.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9700
RGB	191, 151, 0
RGB Percent	75%, 59%, 0%
CMY	0.2510, 0.4078, 0.9999
CMYK	0.00, 0.21, 1.00, 0.25
HSL	47°, 100%, 37%
HSV	47°, 100%, 75%
XYZ	32.5525, 33.2096, 4.6944
YIQ	145.7460, 72.3110, -38.4810

Conversions

Conversions Part 2

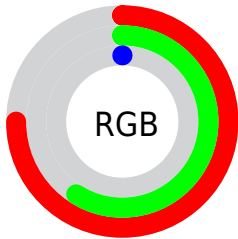
Format	Color
R _Y B	51, 191, 0
Decimal	12556032
CIE Lab	64.33, 3.57, 68.37
CIE LCh	64, 68.464, 87.007
Yxy	33.2096, 0.4620, 0.4713
Android (android.graphics.Color)	4290746112 (0xFFBF9700)
YUV	145.7460, -71.8528, 39.6878
Hunter-Lab	57.6278, -0.0184, 35.5096

Details

The XYZ color **32.5525, 33.2096, 4.6944** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.1631, 5.2797, 49.7733**, and the grayscale version is **27.4831, 28.9144, 31.4878**.

A 20% lighter version of the original color is **63.2122, 64.8525, 15.6647**, and **14.1694, 14.2129, 1.9966** is the 20% darker color. If you saturate the color by 10%, you get **32.5527, 33.2103, 4.6945**, and if you desaturate by 10%, it is **33.3264, 34.5680, 5.5370**.

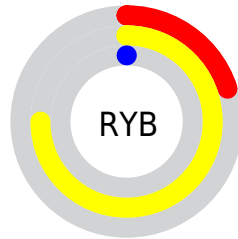
Distribution



Red (75%)

Green (59%)

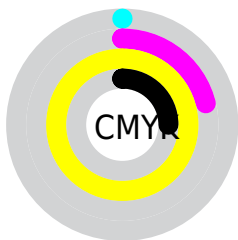
Blue (0%)



Red (20%)

Yellow (75%)

Blue (0%)

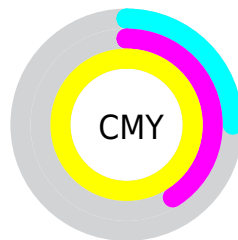


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5525, 33.2096, 4.6944 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 32.5525, 33.2096, 4.6944 by changing the saturation by 10% instead.


 32.5525, 33.2096,
4.6944


 32.5525, 33.2096,
4.6944


305.3292,
316.5931, 155.6565


 21.9414, 22.2871,
2.0135


 63.0356, 64.7026,
15.5820


 13.9302, 14.0680,
0.5636


 83.6384, 86.0419,
24.6258


 8.1535, 8.1680,
0.0000


 108.3024,
111.6222, 36.6276

 4.2460, 4.2026,
0.0000

 137.3931,
141.8280, 52.0061

 1.8422, 1.7875,
0.0000

 171.2757,
177.0435, 71.1796

 0.5429, 0.4794,
0.0000

 210.3157,

 0.0000, 0.0000,

217.6533, 94.5668

0.0000

254.8784,
264.0417, 122.5863

32.5525, 33.2096,
4.6944

32.5525, 33.2096,
4.6944

32.5527, 33.2103,
4.6945

33.3264, 34.5680,
5.5370

34.2379, 36.0155,
6.9989

35.3300, 37.5708,
9.3017

36.6241, 39.2428,
12.5573

38.1383, 41.0391,
16.8603

■ 39.8886, 42.9665,
22.2941

■ 41.8895, 45.0310,
28.9334

■ 44.1541, 47.2381,
36.8466

■ 46.6946, 49.5932,
46.0971

Harmonies

Analogous

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



42.8977, 33.2096, 7.2538



32.5525, 33.2096, 4.6944



23.8028, 33.2096, 6.3360

Triad

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



32.5525, 33.2096, 4.6944



17.6490, 33.2096, 66.3850



50.0175, 33.2096, 73.9248

Complementary

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



32.5525, 33.2096, 4.6944



10.1631, 5.2797, 49.7733

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.



40.8535, 33.2096, 108.0659



32.5525, 33.2096, 4.6944



22.4273, 33.2096, 102.3602

Square

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



32.5525, 33.2096, 4.6944



16.3156, 33.2096, 33.4314



30.5971, 33.2096, 120.4950



54.1981, 33.2096, 39.0324

Rectangle

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



32.5525, 33.2096, 4.6944



19.7547, 33.2096, 10.5342



30.5971, 33.2096, 120.4950



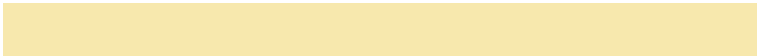
47.3362, 33.2096, 86.4369

Sweetspot

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



32.5532, 33.2112, 4.6950



74.8416, 80.4674, 51.1960



21.8930, 11.2394, 3.1495



16.0883, 17.3177, 10.0779



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.



32.5532, 33.2112, 4.6950



58.1205, 59.1163, 8.3473



28.9287, 42.5702, 6.6925



10.1480, 10.7721, 10.1210



21.4529, 21.9446, 3.1050



0.8837, 0.9464, 0.1361

Inverse Universe

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



10.1631, 5.2797, 49.7733



18.0615, 9.1749, 89.0981



10.9321, 4.5496, 49.5919



9.1741, 9.5405, 12.0302



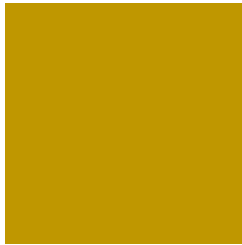
6.7270, 3.5658, 32.7266



0.3116, 0.2359, 1.2980

Previews

White Background



This preview shows how the XYZ color 32.5525, 33.2096, 4.6944 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 32.5525, 33.2096, 4.6944 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 32.5525, 33.2096, 4.6944

Background



This preview shows how black text looks on a background with the XYZ color 32.5525, 33.2096, 4.6944.



This preview shows how white text looks on a background with the XYZ color 32.5525, 33.2096,

4.6944.

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

32.5525, 33.2096, 4.6944

Protanopia

30.0108, 33.3638, 5.1166

Deuteranopia

33.9450, 33.2121, 4.9693



Tritanopia

38.5172, 33.1326, 33.6433

Trichromacy



Original Color

32.5525, 33.2096, 4.6944

Protanomaly

30.8103, 33.2796, 4.9720

Deuteranomaly

33.2970, 33.1145, 4.8665

Tritanomaly

34.8495, 32.5268, 15.5079

Monochromacy



Original Color

32.5525, 33.2096, 4.6944

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4660, 29.6515, 14.6316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5525, 33.2096, 4.6944 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, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 151, 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(191, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.5525, 33.2096, 4.6944 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, 151, 0) }
```


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

```
.border{ border-color:rgb(191, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5525, 33.2096, 4.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 151, 0) }
```

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

```
.background{ background-color: rgb(191,  
151, 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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