

Converting Colors

XYZ(32.9940, 24.8168, 3.0520)

Have a look what the booklet for
XYZ(32.9940, 24.8168, 3.0520)
contains.

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Color

**XYZ(32.9893, 24.8115,
3.0504)**

Conversions

Conversions Part 1

Format	Color
Hex	D66B00
RGB	214, 107, 0
RGB Percent	84%, 42%, 0%
CMY	0.1608, 0.5804, 1.0000
CMYK	0.00, 0.50, 1.00, 0.16
HSL	30°, 100%, 42%
HSV	30°, 100%, 84%
XYZ	32.9893, 24.8115, 3.0504
YIQ	126.7950, 98.1190, -10.5930

Conversions

Conversions Part 2

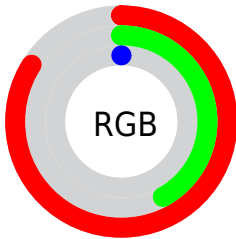
Format	Color
R _Y B	214, 214, 0
Decimal	14052096
CIE Lab	56.89, 37.20, 64.93
CIE LCh	57, 74.831, 60.193
Yxy	24.8115, 0.5421, 0.4077
Android (android.graphics.Color)	4292242176 (0xFFD66B00)
YUV	126.7950, -62.5099, 76.4788
Hunter-Lab	49.8111, 31.0488, 31.2369

Details

The XYZ color **32.9893, 24.8115, 3.0504** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.3954, 15.3705, 65.6680**, and the grayscale version is **20.2876, 21.3441, 23.2438**.

A 20% lighter version of the original color is **54.7942, 46.7950, 11.2986**, and **14.4120, 9.6017, 1.0937** is the 20% darker color. If you saturate the color by 10%, you get **32.9894, 24.8121, 3.0505**, and if you desaturate by 10%, it is **34.3145, 27.2395, 4.1786**.

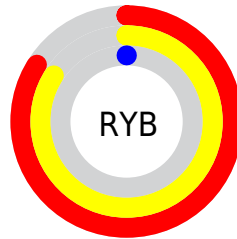
Distribution



Red (84%)

Green (42%)

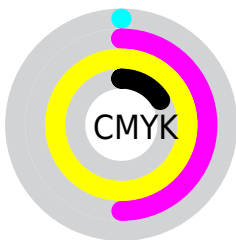
Blue (0%)



Red (84%)

Yellow (84%)

Blue (0%)

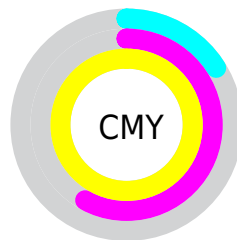


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9893, 24.8115, 3.0504 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 32.9893, 24.8115, 3.0504 by changing the saturation by 10% instead.


 32.9893, 24.8115,
3.0504


 32.9893, 24.8115,
3.0504


307.2674,
276.8979, 137.0000


 22.2774, 15.9367,
1.1204


 63.7136, 51.3513,
11.7526


 14.1786, 9.4794,
0.0000


 84.4568, 69.7850,
19.3618

 8.3276, 5.0551,
0.0000


 109.2744, 92.1738,
29.7012


 4.3588, 2.2797,
0.0000

 138.5319,
118.9021, 43.1894

 1.9071, 0.7629,
0.0000

 172.5946,
150.3542, 60.2448


 0.5809, 0.0000,
0.0000


 211.8278,


 0.0000, 0.0000,


186.9147, 81.2860


0.0000


 256.5970,
228.9677, 106.7315


 32.9893, 24.8115,
3.0504


 32.9893, 24.8115,
3.0504


 32.9894, 24.8121,
3.0505

 34.3145, 27.2395,
4.1786

 35.9362, 30.0135,
6.1662

 37.9107, 33.1644,
9.2848

 40.2706, 36.7122,
13.6851

 43.0442, 40.6748,
19.4943

■ 46.2562, 45.0685,
26.8240

■ 49.9293, 49.9086,
35.7746

■ 54.0844, 55.2093,
46.4376

■ 58.7410, 60.9842,
58.8978

Harmonies

Analogous

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



41.3510, 24.8115, 9.2879



32.9893, 24.8115, 3.0504



23.5258, 24.8115, 1.7889

Triad

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



32.9893, 24.8115, 3.0504



10.4270, 24.8115, 27.1785



33.1125, 24.8115, 93.8765

Complementary

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



32.9893, 24.8115, 3.0504



17.3954, 15.3705, 65.6680

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.



23.6394, 24.8115, 109.7110



32.9893, 24.8115, 3.0504



11.8107, 24.8115, 59.2786

Square

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



32.9893, 24.8115, 3.0504



11.7750, 24.8115, 9.4269



16.1592, 24.8115, 94.2502



41.4336, 24.8115, 58.8040

Rectangle

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



32.9893, 24.8115, 3.0504



18.2312, 24.8115, 2.3196



16.1592, 24.8115, 94.2502



29.8904, 24.8115, 102.3333

Sweetspot

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



32.9898, 24.8129, 3.0508



74.0749, 73.9920, 52.7609



30.3855, 15.3578, 15.2738



15.3408, 15.1655, 10.0218



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.9898, 24.8129, 3.0508



48.8946, 36.5692, 4.4815



51.7779, 62.3890, 9.3135



12.9311, 13.4365, 13.0727



20.0442, 15.2056, 1.8785



1.2917, 1.0827, 0.1409

Inverse Universe

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



17.3954, 15.3705, 65.6680



25.7036, 22.5273, 97.6012



12.1377, 4.8552, 63.9154



12.2504, 13.0243, 15.8058



10.6183, 9.4983, 39.7269



0.7232, 0.7384, 2.4237

Previews

White Background



This preview shows how the XYZ color 32.9893, 24.8115, 3.0504 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 32.9893, 24.8115, 3.0504 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 32.9893, 24.8115, 3.0504

Background



This preview shows how black text looks on a background with the XYZ color 32.9893, 24.8115, 3.0504.



This preview shows how white text looks on a background with the XYZ color 32.9893, 24.8115,

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

32.9893, 24.8115, 3.0504

Protanopia

22.5808, 24.9069, 4.2335

Deuteranopia

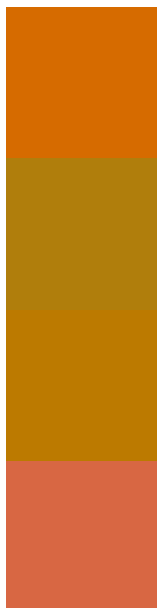
25.2162, 24.8495, 3.4674



Tritanopia

35.7740, 24.9067, 16.5576

Trichromacy



Original Color

32.9893, 24.8115, 3.0504

Protanomaly

25.4317, 24.1784, 3.6743

Deuteranomaly

27.6986, 24.6104, 3.2904

Tritanomaly

34.1823, 24.7047, 8.2771

Monochromacy



Original Color

32.9893, 24.8115, 3.0504

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.4997, 21.3980, 10.7289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9893, 24.8115, 3.0504 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(214, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 107, 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(214, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9893, 24.8115, 3.0504 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(214, 107, 0) }
```


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

```
.border{ border-color:rgb(214, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9893, 24.8115, 3.0504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 107, 0) }
```

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

```
.background{ background-color: rgb(214,  
107, 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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