

Converting Colors

XYZ(31.7394, 24.5127, 0.9432)

Have a look what the booklet for
XYZ(31.7394, 24.5127, 0.9432)
contains.

XYZ(32.0470, 24.6389, 3.0667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0470, 24.6389,
3.0667)**

Conversions

Conversions Part 1

Format	Color
Hex	D26D00
RGB	210, 109, 0
RGB Percent	82%, 43%, 0%
CMY	0.1765, 0.5725, 1.0000
CMYK	0.00, 0.48, 1.00, 0.18
HSL	31°, 100%, 41%
HSV	31°, 100%, 82%
XYZ	32.0470, 24.6389, 3.0667
YIQ	126.7730, 95.1850, -12.4870

Conversions

Conversions Part 2

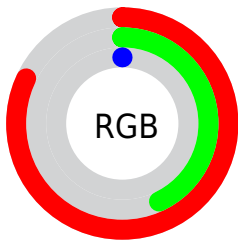
Format	Color
RYB	195, 210, 0
Decimal	13790464
CIELab	56.72, 34.55, 64.53
CIElCh	57, 73.198, 61.836
Yxy	24.6389, 0.5363, 0.4123
Android (android.graphics.Color)	4291980544 (0xFFD26D00)
YUV	126.7730, -62.4991, 72.9901
Hunter-Lab	49.6376, 28.3773, 31.0833

Details

The XYZ color **32.0470, 24.6389, 3.0667** 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 **16.2864, 13.9603, 62.8086**, and the grayscale version is **20.2806, 21.3368, 23.2358**.

A 20% lighter version of the original color is **55.1437, 47.4940, 11.4151**, and **13.7767, 9.4238, 1.0929** is the 20% darker color. If you saturate the color by 10%, you get **32.0472, 24.6396, 3.0668**, and if you desaturate by 10%, it is **33.3230, 26.9746, 4.1601**.

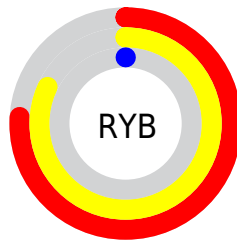
Distribution



Red (82%)

Green (43%)

Blue (0%)



Red (76%)

Yellow (82%)

Blue (0%)

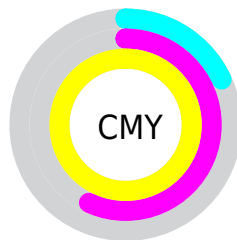


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0470, 24.6389, 3.0667 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 32.0470, 24.6389, 3.0667 by changing the saturation by 10% instead.

 32.0470, 24.6389,
3.0667


 32.0470, 24.6389,
3.0667


303.0748,
276.0348, 137.2057


 21.5531, 15.8082,
1.1288


 62.2495, 51.0708,
11.7926


 13.6437, 9.3886,
0.0000


 82.6888, 69.4408,
19.4176

 7.9533, 4.9955,
0.0000


 107.1739, 91.7594,
29.7755

 4.1166, 2.2446,
0.0000

 136.0702,
118.4110, 43.2847

 1.7683, 0.7442,
0.0000

 169.7431,
149.7799, 60.3638


 0.4985, 0.0000,
0.0000


 208.5580,


 0.0000, 0.0000,


186.2506, 81.4313


0.0000


 252.8801,
228.2074, 106.9057


 32.0470, 24.6389,
3.0667

 32.0470, 24.6389,
3.0667


 32.0472, 24.6396,
3.0668

 33.3230, 26.9746,
4.1601

 34.8736, 29.6235,
6.0709

 36.7524, 32.6143,
9.0616

 38.9902, 35.9650,
13.2756

 41.6133, 39.6917,
18.8342

■ 44.6450, 43.8093,
25.8436

■ 48.1065, 48.3313,
34.3995

■ 52.0174, 53.2706,
44.5891

■ 56.3958, 58.6394,
56.4934

Harmonies

Analogous

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



40.3045, 24.6389, 8.8919



32.0470, 24.6389, 3.0667



22.8968, 24.6389, 1.9383

Triad

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



32.0470, 24.6389, 3.0667



10.5503, 24.6389, 28.3613



33.1824, 24.6389, 89.8158

Complementary

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



32.0470, 24.6389, 3.0667



16.2864, 13.9603, 62.8086

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.



23.9481, 24.6389, 106.5210



32.0470, 24.6389, 3.0667



12.0629, 24.6389, 60.0280

Square

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



32.0470, 24.6389, 3.0667



11.7282, 24.6389, 10.2001



16.4971, 24.6389, 93.2271



41.0641, 24.6389, 55.6769

Rectangle

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



32.0470, 24.6389, 3.0667



17.8309, 24.6389, 2.5788



16.4971, 24.6389, 93.2271



30.0662, 24.6389, 98.3470

Sweetspot

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



32.0475, 24.6402, 3.0671



74.4517, 74.7455, 52.8865



28.9519, 14.6512, 13.7435



15.4299, 15.3436, 10.0514



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.



32.0475, 24.6402, 3.0671



49.5404, 37.8609, 4.6968



48.6390, 59.2863, 8.8800



12.3091, 12.8088, 12.4356



19.6497, 15.2325, 1.9045



1.1779, 1.0102, 0.1329

Inverse Universe

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



16.2864, 13.9603, 62.8086



25.0881, 21.2963, 97.3960



11.6767, 4.6759, 61.2595



11.6261, 12.3424, 15.0132



10.0339, 8.7145, 38.3457



0.6403, 0.6458, 2.1705

Previews

White Background



This preview shows how the XYZ color 32.0470, 24.6389, 3.0667 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 32.0470, 24.6389, 3.0667 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 32.0470, 24.6389, 3.0667

Background



This preview shows how black text looks on a background with the XYZ color 32.0470, 24.6389, 3.0667.



This preview shows how white text looks on a background with the XYZ color 32.0470, 24.6389,

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

32.0470, 24.6389, 3.0667

Protanopia

22.3813, 24.8050, 4.1805

Deuteranopia

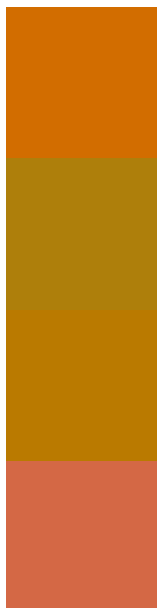
25.2162, 24.8495, 3.4674



Tritanopia

34.8010, 24.5362, 17.0891

Trichromacy



Original Color

32.0470, 24.6389, 3.0667

Protanomaly

25.1053, 24.2016, 3.6648

Deuteranomaly

27.2092, 24.3582, 3.2675

Tritanomaly

33.1759, 24.3273, 8.5773

Monochromacy



Original Color

32.0470, 24.6389, 3.0667

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.1063, 21.1951, 10.7105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0470, 24.6389, 3.0667 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(210, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 109, 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(210, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 109, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.0470, 24.6389, 3.0667 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(210, 109, 0) }
```


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

```
.border{ border-color:rgb(210, 109, 0) }
```

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

Here you see how a box with a 4 pixel rgb(210, 109, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 109,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0470, 24.6389, 3.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 109, 0) }
```

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

```
.background{ background-color: rgb(210,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor