

Converting Colors

XYZ(30.3200, 25.6282, 3.6344)

Have a look what the booklet for
XYZ(30.3200, 25.6282, 3.6344)
contains.

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Color

**XYZ(30.3244, 25.5970,
3.6296)**

Conversions

Conversions Part 1

Format	Color
Hex	C7780A
RGB	199, 120, 10
RGB Percent	78%, 47%, 4%
CMY	0.2196, 0.5294, 0.9608
CMYK	0.00, 0.40, 0.95, 0.22
HSL	35°, 90%, 41%
HSV	35°, 95%, 78%
XYZ	30.3244, 25.5970, 3.6296
YIQ	131.0810, 82.3940, -17.4620

Conversions

Conversions Part 2

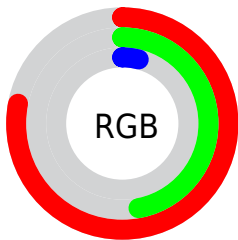
Format	Color
R_{YB}	146, 199, 10
Decimal	13072394
CIE _{Lab}	57.65, 24.19, 62.62
CIE _{LCh}	58, 67.129, 68.881
Yxy	25.5970, 0.5092, 0.4298
Android (android.graphics.Color)	4291262474 (0xFFC7780A)
YUV	131.0810, -59.6929, 59.5650
Hunter-Lab	50.5935, 18.4496, 31.1619

Details

The XYZ color **30.3244, 25.5970, 3.6296** 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 **14.0064, 11.3329, 55.4815**, and the grayscale version is **21.7895, 22.9242, 24.9645**.

A 20% lighter version of the original color is **57.3533, 51.6150, 13.0707**, and **12.9007, 9.9954, 1.2494** is the 20% darker color. If you saturate the color by 10%, you get **29.7779, 24.5920, 3.1773**, and if you desaturate by 10%, it is **31.5476, 27.7582, 4.9173**.

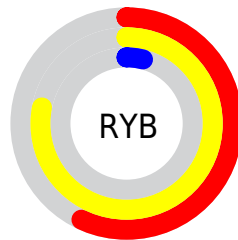
Distribution



Red (78%)

Green (47%)

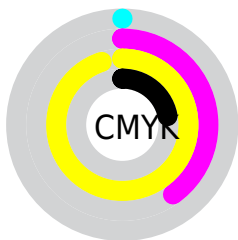
Blue (4%)



Red (57%)

Yellow (78%)

Blue (4%)

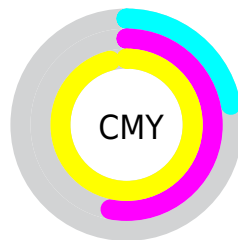


Cyan (0%)

Magenta (40%)

Yellow (95%)

Black (22%)



Cyan (22%)

Magenta (53%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3244, 25.5970, 3.6296 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 30.3244, 25.5970, 3.6296 by changing the saturation by 10% instead.

■ 30.3244, 25.5970,
3.6296

■ 30.3244, 25.5970,
3.6296

295.2964,
280.7981, 144.0148

■ 20.2342, 16.5224,
1.4244

■ 59.5579, 52.6241,
13.1461

■ 12.6747, 9.8946,
0.1607

■ 79.4320, 71.3454,
21.2945

■ 7.2804, 5.3291,
0.0000

■ 103.2981, 94.0510,
32.2610

■ 3.6859, 2.4416,
0.0000

■ 131.5216,
121.1254, 46.4642

■ 1.5260, 0.8472,
0.0000

■ 164.4678,
152.9529, 64.3227


■ 0.3434, 0.0000,
0.0000


■ 202.5021,


■ 0.0000, 0.0000,


189.9179, 86.2549


0.0000


 245.9899,
232.4049, 112.6795


 30.3244, 25.5970,
3.6296


 30.3244, 25.5970,
3.6296


 29.7779, 24.5920,
3.1773

 31.5476, 27.7582,
4.9173

 33.0193, 30.1601,
7.0771

 34.7683, 32.8187,
10.2482

 36.8183, 35.7466,
14.5448

 39.1896, 38.9550,
20.0652

■ 41.9007, 42.4542,
26.8972

■ 44.9684, 46.2538,
35.1203

■ 48.4082, 50.3630,
44.8078

■ 52.2346, 54.7902,
56.0276

Harmonies

Analogous

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



38.4294, 25.5970, 8.3143



30.3244, 25.5970, 3.6296



22.0235, 25.5970, 3.0383

Triad

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



30.3244, 25.5970, 3.6296



12.0446, 25.5970, 35.2663



35.3594, 25.5970, 78.3798

Complementary

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



30.3244, 25.5970, 3.6296



14.0064, 11.3329, 55.4815

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.



26.7904, 25.5970, 98.3202



30.3244, 25.5970, 3.6296



14.1841, 25.5970, 65.8395

Square

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



30.3244, 25.5970, 3.6296



12.5855, 25.5970, 14.7859



19.1813, 25.5970, 92.7759



41.7523, 25.5970, 47.0224

Rectangle

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



30.3244, 25.5970, 3.6296



17.6104, 25.5970, 4.3188



19.1813, 25.5970, 92.7759



32.5705, 25.5970, 87.2523

Sweetspot

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



30.3250, 25.5983, 3.6301



76.8175, 78.6392, 56.2580



25.5891, 13.1303, 11.2889



15.9425, 16.2117, 10.7072



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.



30.3250, 25.5983, 3.6301



51.8955, 42.5710, 5.4818



40.8249, 51.3575, 8.0487



11.1380, 11.6452, 11.2235



19.2363, 15.9898, 2.0725



0.9812, 0.8979, 0.1216

Inverse Universe

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



14.0064, 11.3329, 55.4815



23.2643, 17.6486, 96.7881



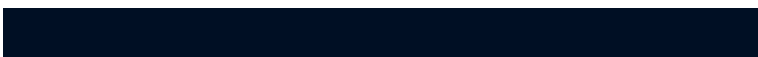
10.7617, 4.5183, 54.3371



10.4149, 11.0038, 13.4925



8.7088, 6.8116, 35.6001



0.4836, 0.4650, 1.7094

Previews

White Background



This preview shows how the XYZ color 30.3244, 25.5970, 3.6296 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 30.3244, 25.5970, 3.6296 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 30.3244, 25.5970, 3.6296

Background



This preview shows how black text looks on a background with the XYZ color 30.3244, 25.5970, 3.6296.



This preview shows how white text looks on a background with the XYZ color 30.3244, 25.5970,

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

30.3244, 25.5970, 3.6296

Protanopia

23.2464, 25.6770, 4.3032

Deuteranopia

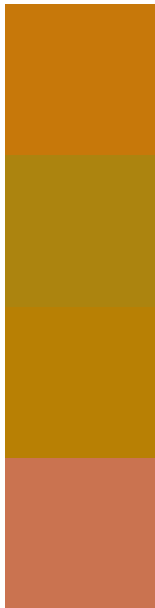
26.1558, 25.7326, 3.5883



Tritanopia

33.8129, 25.6409, 20.9364

Trichromacy



Original Color

30.3244, 25.5970, 3.6296

Protanomaly

25.3507, 25.3077, 4.0007

Deuteranomaly

27.5083, 25.6375, 3.6135

Tritanomaly

31.9358, 25.3972, 10.8084

Monochromacy



Original Color

30.3244, 25.5970, 3.6296

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.0200, 22.9348, 12.2304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3244, 25.5970, 3.6296 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(199, 120, 10)` looks like.

```
.text, #text, p{  
    color:rgb(199, 120, 10)  
}
```

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(199, 120, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 120, 10) }
```

Border

The CSS property to change the border of an element to XYZ 30.3244, 25.5970, 3.6296 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(199, 120, 10) }
```


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

```
.border{ border-color:rgb(199, 120, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 120, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 120, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 120, 10);  
box-shadow:4px 4px 4px 4px rgb(199, 120,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3244, 25.5970, 3.6296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 120, 10) }
```

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

```
.background{ background-color: rgb(199,  
120, 10) }
```

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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