

Converting Colors

XYZ(29.6252, 24.0469, 3.0801)

Have a look what the booklet for
XYZ(29.6252, 24.0469, 3.0801)
contains.

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Color

**XYZ(29.7245, 24.0896,
3.0831)**

Conversions

Conversions Part 1

Format	Color
Hex	C87100
RGB	200, 113, 0
RGB Percent	78%, 44%, 0%
CMY	0.2157, 0.5568, 1.0000
CMYK	0.00, 0.43, 1.00, 0.22
HSL	34°, 100%, 39%
HSV	34°, 100%, 78%
XYZ	29.7245, 24.0896, 3.0831
YIQ	126.1310, 88.1250, -16.6990

Conversions

Conversions Part 2

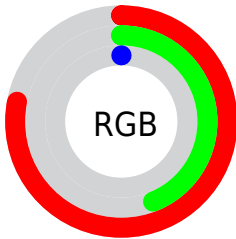
Format	Color
RYB	154, 200, 0
Decimal	13136128
CIELab	56.18, 28.28, 63.48
CIElCh	56, 69.498, 65.991
Yxy	24.0896, 0.5224, 0.4234
Android (android.graphics.Color)	4291326208 (0xFFC87100)
YUV	126.1310, -62.1826, 64.7831
Hunter-Lab	49.0812, 22.2110, 30.6324

Details

The XYZ color **29.7245, 24.0896, 3.0831** 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 **13.8335, 10.9865, 56.0345**, and the grayscale version is **20.0608, 21.1056, 22.9840**.

A 20% lighter version of the original color is **55.7083, 48.5755, 11.7501**, and **12.4809, 9.1558, 1.1094** is the 20% darker color. If you saturate the color by 10%, you get **29.7246, 24.0902, 3.0832**, and if you desaturate by 10%, it is **30.8690, 26.1767, 4.0878**.

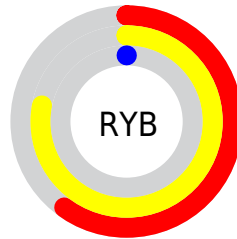
Distribution



Red (78%)

Green (44%)

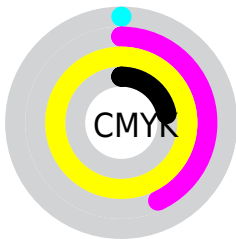
Blue (0%)



Red (60%)

Yellow (78%)

Blue (0%)

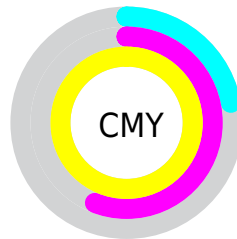


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7245, 24.0896, 3.0831 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 29.7245, 24.0896, 3.0831 by changing the saturation by 10% instead.


 29.7245, 24.0896,
3.0831


 29.7245, 24.0896,
3.0831


292.5511,
273.2732, 137.4121


 19.7766, 15.4001,
1.1372


 58.6158, 50.1764,
11.8328

 12.3401, 9.1007,
0.0000


 78.2900, 68.3424,
19.4737


 7.0496, 4.8069,
0.0000


 101.9369, 90.4361,
29.8501

 3.5397, 2.1344,
0.0000

 129.9221,
116.8419, 43.3804

 1.4452, 0.6839,
0.0000

 162.6107,
147.9441, 60.4832


 0.2881, 0.0000,
0.0000


 200.3681,


 0.0000, 0.0000,


184.1271, 81.5771


0.0000


 243.5598,
225.7753, 107.0805


 29.7245, 24.0896,
3.0831


 29.7245, 24.0896,
3.0831


 29.7246, 24.0902,
3.0832

 30.8690, 26.1767,
4.0878

 32.2390, 28.5058,
5.8111

 33.8828, 31.1012,
8.4932

 35.8267, 33.9771,
12.2607

 38.0930, 37.1460,
17.2204

■ 40.7016, 40.6193,
23.4665

■ 43.6707, 44.4076,
31.0832

■ 47.0166, 48.5209,
40.1480

■ 50.7549, 52.9685,
50.7322

Harmonies

Analogous

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



37.6909, 24.0896, 7.9532



29.7245, 24.0896, 3.0831



21.3321, 24.0896, 2.3049

Triad

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



29.7245, 24.0896, 3.0831



10.7753, 24.0896, 31.0883



33.1490, 24.0896, 80.2724

Complementary

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



29.7245, 24.0896, 3.0831



13.8335, 10.9865, 56.0345

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.



24.5355, 24.0896, 98.7028



29.7245, 24.0896, 3.0831



12.5900, 24.0896, 61.4560

Square

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



29.7245, 24.0896, 3.0831



11.5455, 24.0896, 12.1042



17.2033, 24.0896, 90.3331



39.9679, 24.0896, 48.4809

Rectangle

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



29.7245, 24.0896, 3.0831



16.8090, 24.0896, 3.2398



17.2033, 24.0896, 90.3331



30.3004, 24.0896, 88.8766

Sweetspot

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



29.7250, 24.0909, 3.0835



75.3742, 76.5905, 53.1940



25.6649, 13.0176, 10.8336



15.6484, 15.7808, 10.1243



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.



29.7250, 24.0909, 3.0835



51.2253, 41.2307, 5.2584



41.8892, 52.2552, 7.8787



11.1228, 11.6146, 11.2184



18.9907, 15.4986, 1.9906



0.9703, 0.8761, 0.1180

Inverse Universe

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



13.8335, 10.9865, 56.0345



23.7257, 18.5715, 96.9419



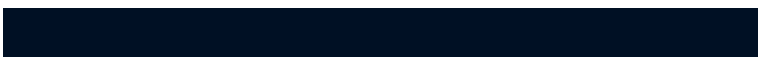
10.5506, 4.2348, 54.9043



10.4298, 11.0338, 13.4975



8.8813, 7.1566, 35.6576



0.4923, 0.4823, 1.7123

Previews

White Background



This preview shows how the XYZ color 29.7245, 24.0896, 3.0831 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 29.7245, 24.0896, 3.0831 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 29.7245, 24.0896, 3.0831

Background



This preview shows how black text looks on a background with the XYZ color 29.7245, 24.0896, 3.0831.



This preview shows how white text looks on a background with the XYZ color 29.7245, 24.0896,

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

29.7245, 24.0896, 3.0831

Protanopia

22.0346, 24.4180, 4.0420

Deuteranopia

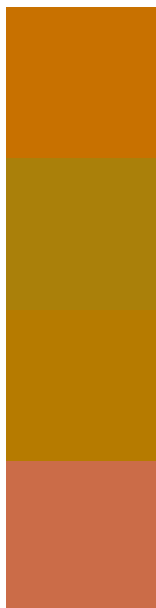
24.5138, 24.0963, 3.3590



Tritanopia

32.9341, 24.1328, 18.5451

Trichromacy



Original Color

29.7245, 24.0896, 3.0831

Protanomaly

24.3515, 24.0063, 3.6374

Deuteranomaly

26.3744, 24.1110, 3.2638

Tritanomaly

31.1609, 23.8895, 9.0997

Monochromacy



Original Color

29.7245, 24.0896, 3.0831

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.4222, 21.0262, 10.5188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7245, 24.0896, 3.0831 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(200, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 113, 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(200, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.7245, 24.0896, 3.0831 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(200, 113, 0) }
```


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

```
.border{ border-color:rgb(200, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7245, 24.0896, 3.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 113, 0) }
```

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

```
.background{ background-color: rgb(200,  
113, 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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