

Converting Colors

XYZ(30.9990, 24.0564, 4.8460)

Have a look what the booklet for
XYZ(30.9990, 24.0564, 4.8460)
contains.

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Color

**XYZ(30.9953, 24.0564,
4.8434)**

Conversions

Conversions Part 1

Format	Color
Hex	CD6D26
RGB	205, 109, 38
RGB Percent	80%, 43%, 15%
CMY	0.1961, 0.5725, 0.8510
CMYK	0.00, 0.47, 0.81, 0.20
HSL	26°, 69%, 48%
HSV	26°, 81%, 80%
XYZ	30.9953, 24.0564, 4.8434
YIQ	129.6100, 80.0070, -1.7290

Conversions

Conversions Part 2

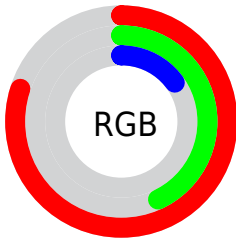
Format	Color
R_{YB}	205, 162, 38
Decimal	13462822
CIE _{Lab}	56.14, 33.19, 53.52
CIE _{LCh}	56, 62.978, 58.196
Yxy	24.0564, 0.5175, 0.4016
Android (android.graphics.Color)	4291652902 (0xFFCD6D26)
YUV	129.6100, -45.1637, 66.1170
Hunter-Lab	49.0473, 26.9697, 28.4783

Details

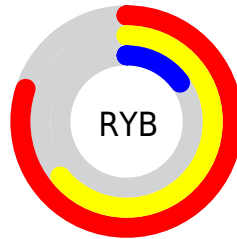
The XYZ color **30.9953, 24.0564, 4.8434** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.3430, 21.8684, 60.9059**, and the grayscale version is **21.2157, 22.3205, 24.3071**.

A 20% lighter version of the original color is **55.9635, 47.8219, 15.7322**, and **13.0656, 9.0572, 1.0596** is the 20% darker color. If you saturate the color by 10%, you get **29.5771, 21.6118, 3.1637**, and if you desaturate by 10%, it is **32.7651, 26.9135, 7.5382**.

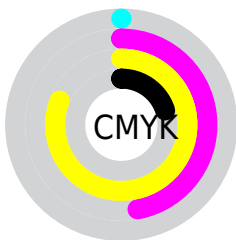
Distribution



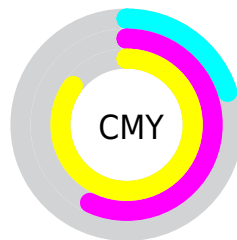
- Red (80%)
- Green (43%)
- Blue (15%)



- Red (80%)
- Yellow (64%)
- Blue (15%)



- Cyan (0%)
- Magenta (47%)
- Yellow (81%)
- Black (20%)





- Cyan (20%)
- Magenta (57%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9953, 24.0564, 4.8434 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 30.9953, 24.0564, 4.8434 by changing the saturation by 10% instead.


 30.9953, 24.0564,
4.8434


 30.9953, 24.0564,
4.8434


298.3439,
273.1055, 157.1833


 20.7471, 15.3755,
2.0985


 60.6086, 50.1222,
15.9124

 13.0507, 9.0833,
0.6149


 80.7043, 68.2759,
25.0736

 7.5407, 4.7956,
0.0000


 104.8133, 90.3559,
37.2107

 3.8518, 2.1278,
0.0000

 133.3008,
116.7467, 52.7423

 1.6186, 0.6802,
0.0000

 166.5323,
147.8327, 72.0867

 0.4045, 0.0000,
0.0000

 204.8731,

 0.0000, 0.0000,

183.9982, 95.6627

0.0000

248.6885,
225.6277, 123.8887

■ 30.9953, 24.0564,
4.8434

■ 30.9953, 24.0564,
4.8434

■ 29.5771, 21.6118,
3.1637

■ 32.7651, 26.9135,
7.5382

■ 28.5980, 19.8218,
2.3187

■ 34.9173, 30.2022,
11.3867

■ 37.4803, 33.9445,
16.5070

■ 40.4790, 38.1595,
23.0018

■ 43.9361, 42.8649,
30.9633

■ 47.8722, 48.0772,
40.4755

■ 52.3070, 53.8125,
51.6162

■ 57.2585, 60.0856,
64.4577

■ 62.7443, 66.9110,
79.0680

Harmonies

Analogous

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



37.4237, 24.0564, 11.5333



30.9953, 24.0564, 4.8434



23.3049, 24.0564, 3.1566

Triad

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



30.9953, 24.0564, 4.8434



11.6008, 24.0564, 24.9610



30.0769, 24.0564, 79.2317

Complementary

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



30.9953, 24.0564, 4.8434



20.3430, 21.8684, 60.9059

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.



22.4304, 24.0564, 89.4778



30.9953, 24.0564, 4.8434



12.6767, 24.0564, 49.8477

Square

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



30.9953, 24.0564, 4.8434



12.9741, 24.0564, 10.3230



16.2973, 24.0564, 76.6415



36.8198, 24.0564, 53.2530

Rectangle

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



30.9953, 24.0564, 4.8434



18.7953, 24.0564, 3.6620



16.2973, 24.0564, 76.6415



27.4832, 24.0564, 85.0835

Sweetspot

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



30.9958, 24.0577, 4.8438



76.5015, 76.2388, 61.6047



30.2724, 16.1264, 24.5931



15.8744, 15.6566, 11.9758



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.



30.9958, 24.0577, 4.8438



46.9911, 32.7175, 3.9849



44.1753, 50.4166, 9.2370



11.5979, 11.9847, 11.7814



17.8935, 12.5199, 1.4735



0.9978, 0.7953, 0.1009

Inverse Universe

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



20.3430, 21.8684, 60.9059



28.8211, 28.6675, 98.6221



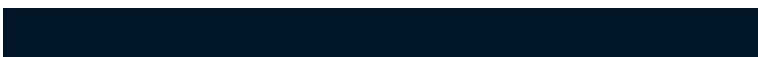
13.0431, 7.2685, 58.4726



11.1282, 11.8968, 14.2802



10.9771, 10.9781, 37.4967



0.6406, 0.7149, 1.9592

Previews

White Background



This preview shows how the XYZ color 30.9953, 24.0564, 4.8434 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 30.9953, 24.0564, 4.8434 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 30.9953, 24.0564, 4.8434

Background



This preview shows how black text looks on a background with the XYZ color 30.9953, 24.0564, 4.8434.



This preview shows how white text looks on a background with the XYZ color 30.9953, 24.0564,

4.8434.

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

30.9953, 24.0564, 4.8434

Protanopia

21.9001, 24.0967, 5.9795

Deuteranopia

24.5311, 24.0781, 4.5829



Tritanopia

33.5241, 24.0168, 17.3368

Trichromacy



Original Color

30.9953, 24.0564, 4.8434

Protanomaly

24.6734, 23.7468, 5.4737

Deuteranomaly

26.6403, 23.8518, 4.6386

Tritanomaly

32.3450, 23.9931, 11.1100

Monochromacy



Original Color

30.9953, 24.0564, 4.8434

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.0218, 21.9502, 14.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9953, 24.0564, 4.8434 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(205, 109, 38)` looks like.

```
.text, #text, p{  
    color:rgb(205, 109, 38)  
}
```

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(205, 109, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 109, 38) }
```

Border

The CSS property to change the border of an element to XYZ 30.9953, 24.0564, 4.8434 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(205, 109, 38) }
```


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

```
.border{ border-color:rgb(205, 109, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 109, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 109, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 109, 38);  
box-shadow:4px 4px 4px 4px rgb(205, 109,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9953, 24.0564, 4.8434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 109, 38) }
```

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

```
.background{ background-color: rgb(205,  
109, 38) }
```

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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