

Converting Colors

XYZ(30.0181, 24.9122, 7.4628)

Have a look what the booklet for
XYZ(30.0181, 24.9122, 7.4628)
contains.

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Color

**XYZ(30.0590, 25.0189,
7.5198)**

Conversions

Conversions Part 1

Format	Color
Hex	C4763C
RGB	196, 118, 60
RGB Percent	77%, 46%, 24%
CMY	0.2314, 0.5372, 0.7647
CMYK	0.00, 0.40, 0.69, 0.23
HSL	26°, 54%, 50%
HSV	26°, 69%, 77%
XYZ	30.0590, 25.0189, 7.5198
YIQ	134.7100, 65.1060, -1.5020

Conversions

Conversions Part 2

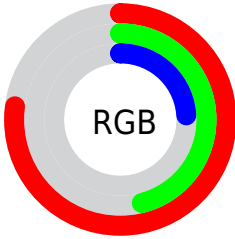
Format	Color
RYB	196, 161, 60
Decimal	12875324
CIELab	57.09, 25.60, 43.97
CIELCh	57, 50.875, 59.794
Yxy	25.0189, 0.4802, 0.3997
Android (android.graphics.Color)	4291065404 (0xFFC4763C)
YUV	134.7100, -36.8320, 53.7513
Hunter-Lab	50.0189, 19.7370, 26.0996

Details

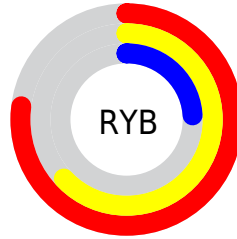
The XYZ color **30.0590, 25.0189, 7.5198** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.9151, 23.1218, 55.5848**, and the grayscale version is **23.0375, 24.2373, 26.3944**.

A 20% lighter version of the original color is **58.6174, 51.5116, 21.6051**, and **12.4994, 9.5965, 1.4807** is the 20% darker color. If you saturate the color by 10%, you get **28.3879, 22.3582, 4.8628**, and if you desaturate by 10%, it is **32.0808, 28.0745, 11.2405**.

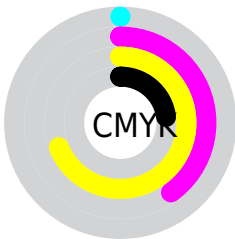
Distribution



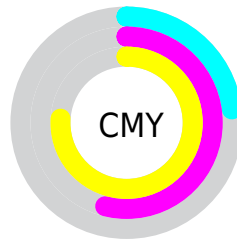
- Red (77%)
- Green (46%)
- Blue (24%)



- Red (77%)
- Yellow (63%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (69%)
- Black (23%)





- Cyan (23%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0590, 25.0189, 7.5198 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 30.0590, 25.0189, 7.5198 by changing the saturation by 10% instead.


 30.0590, 25.0189,
7.5198

 30.0590, 25.0189,
7.5198


294.0843,
277.9321, 181.7071

 20.0317, 16.0911,
3.7059


 59.1415, 51.6879,
21.5419


 12.5265, 9.5887,
1.4654


 78.9273, 70.1979,
32.5873

 7.1780, 5.1271,
0.1920


 102.6967, 92.6708,
46.8802

 3.6210, 2.3220,
0.0000

 130.8150,
119.4909, 64.8392

 1.4900, 0.7853,
0.0000

 163.6475,
151.0427, 86.8829

 0.3190, 0.0000,
0.0000

 201.5597,

 0.0000, 0.0000,

187.7106, 113.4297

0.0000

244.9168,
229.8789, 144.8983

■ 30.0590, 25.0189,
7.5198

■ 30.0590, 25.0189,
7.5198

■ 28.3879, 22.3582,
4.8628

■ 32.0808, 28.0745,
11.2405

■ 27.0380, 20.0684,
3.1484

■ 34.4759, 31.5391,
16.1255

■ 25.9638, 18.1233,
2.1642

■ 37.2666, 35.4308,
22.2650

■ 25.9038, 18.0137,
2.1117

■ 40.4728, 39.7651,
29.7397

■ 44.1127, 44.5568,
38.6237

■ 48.2036, 49.8198,
48.9855

■ 52.7615, 55.5674,
60.8890

■ 57.8019, 61.8122,
74.3946

■ 63.3392, 68.5666,
89.5591

Harmonies

Analogous

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



35.2431, 25.0189, 13.9168



30.0590, 25.0189, 7.5198



23.8212, 25.0189, 5.7761

Triad

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



30.0590, 25.0189, 7.5198



14.0201, 25.0189, 27.1229



29.9752, 25.0189, 67.0736

Complementary

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



30.0590, 25.0189, 7.5198



20.9151, 23.1218, 55.5848

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.



23.7383, 25.0189, 75.3433



30.0590, 25.0189, 7.5198



15.1182, 25.0189, 47.1424

Square

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



30.0590, 25.0189, 7.5198



15.1488, 25.0189, 13.7859



18.4421, 25.0189, 66.8576



35.1893, 25.0189, 47.4392

Rectangle

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



30.0590, 25.0189, 7.5198



20.0881, 25.0189, 6.4973



18.4421, 25.0189, 66.8576



27.8980, 25.0189, 71.5678

Sweetspot

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



30.0596, 25.0202, 7.5203



78.5692, 78.9653, 66.6371



29.0654, 16.8414, 26.2729



16.4133, 16.3724, 13.2711



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.



30.0596, 25.0202, 7.5203



50.1552, 38.3825, 7.0844



40.8597, 46.6204, 11.1203



10.4185, 10.7684, 10.5913



16.7261, 11.7380, 1.3841



0.7909, 0.6436, 0.0825

Inverse Universe

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



20.9151, 23.1218, 55.5848



32.4674, 34.5539, 99.5661



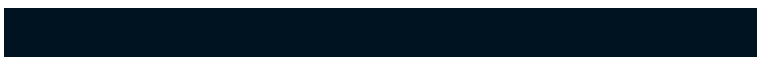
14.1019, 9.4954, 53.3137



9.9971, 10.6854, 12.8204



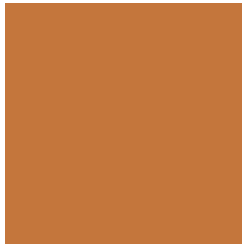
10.2407, 10.2380, 34.9930



0.5097, 0.5768, 1.5343

Previews

White Background



This preview shows how the XYZ color 30.0590, 25.0189, 7.5198 looks on a white background.

Color Contrast Check

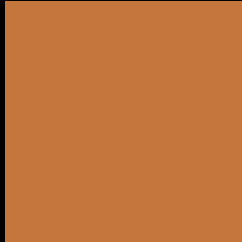
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0590, 25.0189, 7.5198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

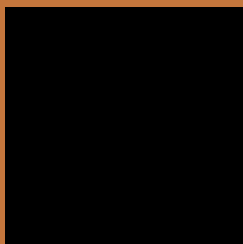
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0590, 25.0189, 7.5198

Background



This preview shows how black text looks on a background with the XYZ color 30.0590, 25.0189, 7.5198.



This preview shows how white text looks on a background with the XYZ color 30.0590, 25.0189,

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

30.0590, 25.0189, 7.5198

Protanopia

23.0207, 25.2457, 8.8138

Deuteranopia

25.6494, 25.1859, 7.3804



Tritanopia

32.8336, 24.9801, 20.5439

Trichromacy



Original Color

30.0590, 25.0189, 7.5198

Protanomaly

25.1902, 24.9276, 8.3343

Deuteranomaly

27.0470, 24.9305, 7.3895

Tritanomaly

31.7751, 25.0586, 14.7173

Monochromacy



Original Color

30.0590, 25.0189, 7.5198

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.4617, 23.9513, 17.5212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0590, 25.0189, 7.5198 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(196, 118, 60)` looks like.

```
.text, #text, p{  
    color:rgb(196, 118, 60)  
}
```

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(196, 118, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 118, 60) }
```

Border

The CSS property to change the border of an element to XYZ 30.0590, 25.0189, 7.5198 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(196, 118, 60) }
```


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

```
.border{ border-color:rgb(196, 118, 60) }
```

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

Here you see how a box with a 4 pixel rgb(196, 118, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 118, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 118, 60);  
box-shadow:4px 4px 4px 4px rgb(196, 118,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0590, 25.0189, 7.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 118, 60) }
```

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

```
.background{ background-color: rgb(196,  
118, 60) }
```

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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