

Converting Colors

XYZ(30.0533, 24.4559, 5.3838)

Have a look what the booklet for
XYZ(30.0533, 24.4559, 5.3838)
contains.

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Color

**XYZ(30.0065, 24.3512,
5.4042)**

Conversions

Conversions Part 1

Format	Color
Hex	C7722B
RGB	199, 114, 43
RGB Percent	78%, 45%, 17%
CMY	0.2196, 0.5529, 0.8314
CMYK	0.00, 0.43, 0.78, 0.22
HSL	27°, 64%, 47%
HSV	27°, 78%, 78%
XYZ	30.0065, 24.3512, 5.4042
YIQ	131.3210, 73.4510, -4.0610

Conversions

Conversions Part 2

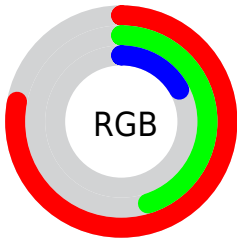
Format	Color
R_{YB}	199, 173, 43
Decimal	13070891
CIE Lab	56.44, 28.23, 51.39
CIE LCh	56, 58.633, 61.224
Yxy	24.3512, 0.5021, 0.4075
Android (android.graphics.Color)	4291260971 (0xFFC7722B)
YUV	131.3210, -43.5423, 59.3545
Hunter-Lab	49.3469, 22.1838, 28.0497

Details

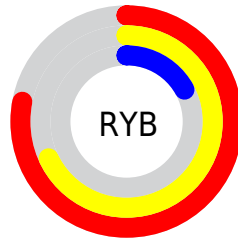
The XYZ color **30.0065, 24.3512, 5.4042** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **19.0235, 20.0740, 56.9043**, and the grayscale version is **21.8216, 22.9580, 25.0013**.

A 20% lighter version of the original color is **57.0791, 49.7056, 17.1754**, and **12.5378, 9.2696, 1.1284** is the 20% darker color. If you saturate the color by 10%, you get **28.5752, 21.9375, 3.5443**, and if you desaturate by 10%, it is **31.7619, 27.1287, 8.2506**.

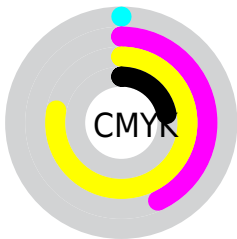
Distribution



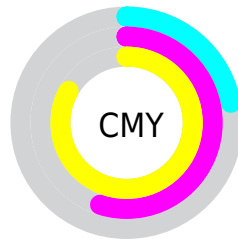
- Red (78%)
- Green (45%)
- Blue (17%)



- Red (78%)
- Yellow (68%)
- Blue (17%)



- Cyan (0%)
- Magenta (43%)
- Yellow (78%)
- Black (22%)





- Cyan (22%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0065, 24.3512, 5.4042 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 30.0065, 24.3512, 5.4042 by changing the saturation by 10% instead.

 30.0065, 24.3512,
5.4042


 30.0065, 24.3512,
5.4042


293.8440,
274.5913, 162.7463


 19.9916, 15.5943,
2.4235


 59.0590, 50.6027,
17.1369

 12.4972, 9.2376,
0.7992


 78.8274, 68.8661,
26.7260

 7.1578, 4.8965,
0.0000


 102.5776, 91.0672,
39.3549

 3.6082, 2.1866,
0.0000

 130.6750,
117.5904, 55.4422

 1.4830, 0.7127,
0.0000

 163.4850,
148.8199, 75.4065

 0.3142, 0.0000,
0.0000

 201.3729,

 0.0000, 0.0000,

185.1404, 99.6662

0.0000

244.7042,
226.9360, 128.6400

■ 30.0065, 24.3512,
5.4042

■ 30.0065, 24.3512,
5.4042

■ 28.5752, 21.9375,
3.5443

■ 31.7619, 27.1287,
8.2506

■ 27.4256, 19.8592,
2.4797

■ 33.8673, 30.2848,
12.2041

■ 27.2580, 19.5521,
2.3373

■ 36.3474, 33.8377,
17.3692

■ 39.2237, 37.8031,
23.8378

■ 42.5159, 42.1956,
31.6927

■ 46.2423, 47.0289,
41.0100

■ 50.4197, 52.3161,
51.8600

■ 55.0644, 58.0697,
64.3084

■ 60.1914, 64.3015,
78.4173

Harmonies

Analogous

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



36.1819, 24.3512, 11.4852



30.0065, 24.3512, 5.4042



22.8677, 24.3512, 3.9616

Triad

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



30.0065, 24.3512, 5.4042



12.4032, 24.3512, 27.3200



30.5837, 24.3512, 72.9843

Complementary

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



30.0065, 24.3512, 5.4042



19.0235, 20.0740, 56.9043

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.



23.4247, 24.3512, 84.1141



30.0065, 24.3512, 5.4042



13.6894, 24.3512, 50.9656

Square

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



30.0065, 24.3512, 5.4042



13.4941, 24.3512, 12.2944



17.4185, 24.3512, 74.5621



36.5584, 24.3512, 48.8596

Rectangle

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



30.0065, 24.3512, 5.4042



18.7384, 24.3512, 4.7158



17.4185, 24.3512, 74.5621



28.1936, 24.3512, 78.7808

Sweetspot

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



30.0070, 24.3525, 5.4046



76.9852, 77.2061, 61.7660



28.3661, 15.4495, 22.1864



15.9897, 15.8872, 12.0142



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.



30.0070, 24.3525, 5.4046



48.5867, 35.8119, 4.8148



42.6633, 49.6650, 9.6234



11.0249, 11.4189, 11.1858



17.6130, 12.7431, 1.5314



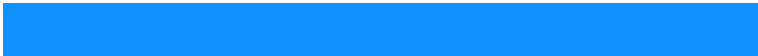
0.9061, 0.7477, 0.0966

Inverse Universe

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



19.0235, 20.0740, 56.9043



28.5149, 27.8501, 98.4804



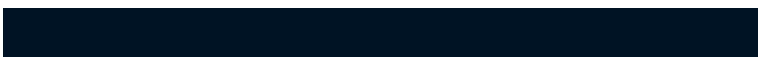
12.4802, 6.9875, 54.7232



10.5275, 11.2290, 13.5301



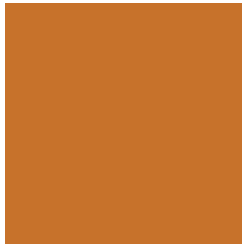
10.1943, 9.7825, 36.0953



0.5544, 0.6067, 1.7330

Previews

White Background



This preview shows how the XYZ color 30.0065, 24.3512, 5.4042 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 30.0065, 24.3512, 5.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

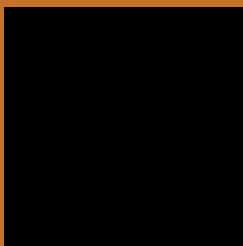
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0065, 24.3512, 5.4042

Background



This preview shows how black text looks on a background with the XYZ color 30.0065, 24.3512, 5.4042.



This preview shows how white text looks on a background with the XYZ color 30.0065, 24.3512,

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

30.0065, 24.3512, 5.4042

Protanopia

22.3074, 24.5055, 6.4600

Deuteranopia

24.9947, 24.4984, 5.2450



Tritanopia

32.9808, 24.4497, 19.2006

Trichromacy



Original Color

30.0065, 24.3512, 5.4042

Protanomaly

24.5944, 24.0786, 6.0407

Deuteranomaly

26.6467, 24.3923, 5.3112

Tritanomaly

31.7362, 24.4297, 12.4939

Monochromacy



Original Color

30.0065, 24.3512, 5.4042

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.2960, 22.6360, 14.9457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0065, 24.3512, 5.4042 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, 114, 43)` looks like.

```
.text, #text, p{  
    color:rgb(199, 114, 43)  
}
```

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, 114, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 114, 43) }
```

Border

The CSS property to change the border of an element to XYZ 30.0065, 24.3512, 5.4042 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, 114, 43) }
```


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

```
.border{ border-color:rgb(199, 114, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 114, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 114, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 114, 43);  
box-shadow:4px 4px 4px 4px rgb(199, 114,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0065, 24.3512, 5.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 114, 43) }
```

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

```
.background{ background-color: rgb(199,  
114, 43) }
```

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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