

Converting Colors

XYZ(24.5419, 16.6870, 2.3429)

Have a look what the booklet for
XYZ(24.5419, 16.6870, 2.3429)
contains.

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Color

**XYZ(24.5419, 16.6870,
2.3429)**

Conversions

Conversions Part 1

Format	Color
Hex	C04E0E
RGB	192, 78, 14
RGB Percent	75%, 31%, 5%
CMY	0.2471, 0.6941, 0.9451
CMYK	0.00, 0.59, 0.93, 0.25
HSL	22°, 86%, 40%
HSV	22°, 93%, 75%
XYZ	24.5419, 16.6870, 2.3429
YIQ	104.7900, 88.4880, 4.2640

Conversions

Conversions Part 2

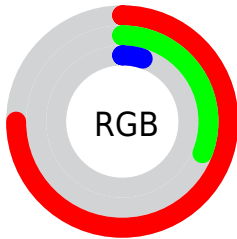
Format	Color
R _Y B	192, 114, 14
Decimal	12602894
CIE Lab	47.86, 43.12, 54.48
CIE LCh	48, 69.479, 51.641
Yxy	16.6870, 0.5633, 0.3830
Android (android.graphics.Color)	4290792974 (0xFFC04E0E)
YUV	104.7900, -44.7595, 76.4832
Hunter-Lab	40.8497, 35.7531, 25.1943

Details

The XYZ color **24.5419, 16.6870, 2.3429** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **17.4141, 19.3362, 52.6832**, and the grayscale version is **13.4717, 14.1733, 15.4347**.

A 20% lighter version of the original color is **50.2358, 37.6305, 9.9259**, and **9.6867, 5.4786, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **23.8686, 15.4675, 1.7275**, and if you desaturate by 10%, it is **25.6972, 18.6810, 3.7052**.

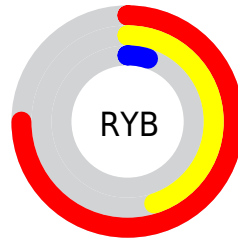
Distribution



Red (75%)

Green (31%)

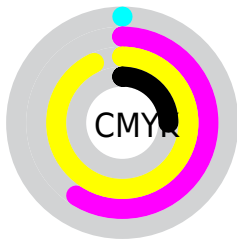
Blue (5%)



Red (75%)

Yellow (45%)

Blue (5%)

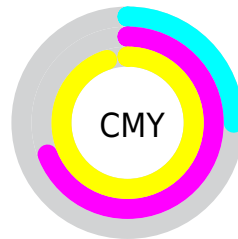


Cyan (0%)

Magenta (59%)

Yellow (93%)

Black (25%)



Cyan (25%)

Magenta (69%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5419, 16.6870, 2.3429 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 24.5419, 16.6870, 2.3429 by changing the saturation by 10% instead.

■ 24.5419, 16.6870,
2.3429

■ 24.5419, 16.6870,
2.3429

267.9387,
233.3621, 127.4927

■ 15.8630, 10.0116,
0.7551

■ 50.3613, 37.7868,
9.9587

■ 9.5175, 5.4066,
0.0000

■ 68.2326, 52.9800,
16.8385

■ 5.1400, 2.4878,
0.0000

■ 89.8986, 71.7813,
26.3244

■ 2.3653, 0.8705,
0.0000

■ 115.7249, 94.5750,
38.8348


■ 0.8277, 0.0000,
0.0000


■ 146.0767,
121.7455, 54.7883


■ 0.0000, 0.0000,
0.0000


■ 181.3193,

153.6773, 74.6034


 221.8182,
190.7547, 98.6987


 24.5419, 16.6870,
2.3429


 24.5419, 16.6870,
2.3429


 23.8686, 15.4675,
1.7275

 25.6972, 18.6810,
3.7052

 27.1775, 21.0790,
5.9329

 29.0137, 23.9068,
9.1486

 31.2320, 27.1866,
13.4545

 33.8561, 30.9390,
18.9402

■ 36.9071, 35.1830,
25.6855

■ 40.4050, 39.9367,
33.7635

■ 44.3680, 45.2169,
43.2415

■ 48.8136, 51.0398,
54.1821

Harmonies

Analogous

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



29.8474, 16.6870, 8.2078



24.5419, 16.6870, 2.3429



17.6713, 16.6870, 0.9635

Triad

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



24.5419, 16.6870, 2.3429



6.6987, 16.6870, 13.6137



20.7145, 16.6870, 72.5569

Complementary

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



24.5419, 16.6870, 2.3429



17.4141, 19.3362, 52.6832

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.



14.1778, 16.6870, 77.8637



24.5419, 16.6870, 2.3429



7.1116, 16.6870, 34.0342

Square

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



24.5419, 16.6870, 2.3429



8.1842, 16.6870, 4.0919



9.5139, 16.6870, 60.6847



27.2644, 16.6870, 48.9638

Rectangle

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



24.5419, 16.6870, 2.3429



13.5586, 16.6870, 1.0126



9.5139, 16.6870, 60.6847



18.4092, 16.6870, 76.9648

Sweetspot

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



24.5423, 16.6880, 2.3432



69.4719, 67.3030, 52.4708



25.9043, 13.1242, 22.1819



14.3347, 13.6599, 9.9572



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.5423, 16.6880, 2.3432



43.0328, 27.5942, 3.0581



35.3266, 38.2567, 5.9380



10.3630, 10.6575, 10.5728



16.1288, 10.5434, 1.1850



0.7625, 0.5868, 0.0731

Inverse Universe

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



17.4141, 19.3362, 52.6832



29.8175, 32.0515, 94.9753



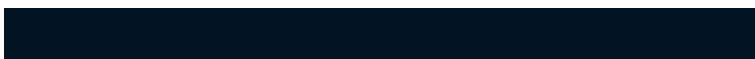
10.4782, 5.4645, 50.3712



10.0541, 10.7994, 12.8394



11.2408, 12.2381, 35.3264



0.5490, 0.6555, 1.5475

Previews

White Background



This preview shows how the XYZ color 24.5419, 16.6870, 2.3429 looks on a white 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

Black Background



This preview shows how the XYZ color 24.5419, 16.6870, 2.3429 looks on a black 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

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

XYZ 24.5419, 16.6870, 2.3429

Background



This preview shows how black text looks on a background with the XYZ color 24.5419, 16.6870, 2.3429.



This preview shows how white text looks on a background with the XYZ color 24.5419, 16.6870,

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

24.5419, 16.6870, 2.3429

Protanopia

15.3489, 16.9945, 3.3355

Deuteranopia

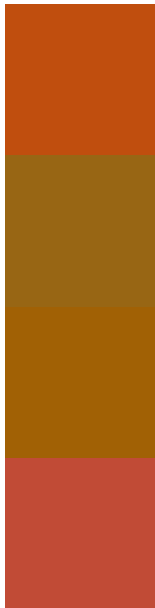
16.8642, 16.6544, 2.3258



Tritanopia

25.9702, 16.7702, 8.8894

Trichromacy



Original Color

24.5419, 16.6870, 2.3429

Protanomaly

17.8265, 16.2286, 2.8547

Deuteranomaly

19.0000, 16.1374, 2.2570

Tritanomaly

25.1743, 16.6360, 5.3743

Monochromacy



Original Color

24.5419, 16.6870, 2.3429

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.5784, 13.9707, 8.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5419, 16.6870, 2.3429 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(192, 78, 14)` looks like.

```
.text, #text, p{  
    color:rgb(192, 78, 14)  
}
```

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(192, 78, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 78, 14) }
```

Border

The CSS property to change the border of an element to XYZ 24.5419, 16.6870, 2.3429 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(192, 78, 14) }
```


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

```
.border{ border-color:rgb(192, 78, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 78, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 78, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 78, 14);  
box-shadow:4px 4px 4px 4px rgb(192, 78,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5419, 16.6870, 2.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 78, 14) }
```

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

```
.background{ background-color: rgb(192, 78,  
14) }
```

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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