

Converting Colors

XYZ(24.9425, 14.9602, 1.5730)

Have a look what the booklet for
XYZ(24.9425, 14.9602, 1.5730)
contains.

XYZ(24.9674, 14.9705, 1.5737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.9674, 14.9705,
1.5737)**

Conversions

Conversions Part 1

Format	Color
Hex	C73800
RGB	199, 56, 0
RGB Percent	78%, 22%, 0%
CMY	0.2196, 0.7804, 1.0000
CMYK	0.00, 0.72, 1.00, 0.22
HSL	17°, 100%, 39%
HSV	17°, 100%, 78%
XYZ	24.9674, 14.9705, 1.5737
YIQ	92.3730, 103.2040, 12.9000

Conversions

Conversions Part 2

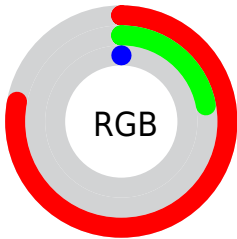
Format	Color
R_{YB}	199, 78, 0
Decimal	13056000
CIE Lab	45.59, 54.73, 57.48
CIE LCh	46, 79.367, 46.404
Yxy	14.9705, 0.6015, 0.3606
Android (android.graphics.Color)	4291246080 (0xFFC73800)
YUV	92.3730, -45.5399, 93.5119
Hunter-Lab	38.6917, 47.4738, 24.6727

Details

The XYZ color **24.9674, 14.9705, 1.5737** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **20.1301, 23.7661, 57.5588**, and the grayscale version is **10.3453, 10.8840, 11.8527**.

A 20% lighter version of the original color is **47.7727, 33.1437, 7.7504**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.9676, 14.9712, 1.5738**, and if you desaturate by 10%, it is **25.8880, 16.6114, 2.4992**.

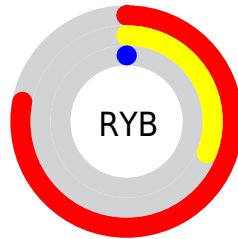
Distribution



Red (78%)

Green (22%)

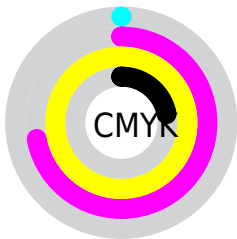
Blue (0%)



Red (78%)

Yellow (31%)

Blue (0%)

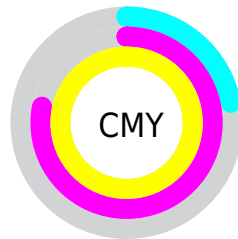


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9674, 14.9705, 1.5737 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 24.9674, 14.9705, 1.5737 by changing the saturation by 10% instead.


 24.9674, 14.9705,
1.5737


 24.9674, 14.9705,
1.5737


 270.0262,
223.1876, 115.3604

 16.1814, 8.7987,
0.2719


 51.0476, 34.8014,
7.8387


 9.7442, 4.6101,
0.0000


 69.0725, 49.2293,
13.7915


 5.2907, 2.0204,
0.0000

 90.9077, 67.1780,
22.1825

 2.4553, 0.6193,
0.0000

 116.9186, 89.0319,
33.4303


 0.8728, 0.0000,
0.0000


 147.4706,
115.1755, 47.9535


 0.0000, 0.0000,
0.0000


 182.9289,


145.9930, 66.1705


 223.6590,
181.8689, 88.5000


 24.9674, 14.9705,
1.5737


 24.9674, 14.9705,
1.5737


 24.9676, 14.9712,
1.5738

 25.8880, 16.6114,
2.4992

 27.1505, 18.7295,
4.1741

 28.8139, 21.3714,
6.8404

 30.9146, 24.5719,
10.6262

 33.4842, 28.3624,
15.6405

■ 36.5511, 32.7718,
21.9791

■ 40.1414, 37.8270,
29.7280

■ 44.2791, 43.5533,
38.9661

■ 48.9869, 49.9745,
49.7665

Harmonies

Analogous

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



30.3169, 14.9705, 8.0045



24.9674, 14.9705, 1.5737



17.4447, 14.9705, 0.1026

Triad

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



24.9674, 14.9705, 1.5737



5.0805, 14.9705, 9.1299



18.1455, 14.9705, 82.5018

Complementary

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



24.9674, 14.9705, 1.5737



20.1301, 23.7661, 57.5588

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.



11.4350, 14.9705, 83.8754



24.9674, 14.9705, 1.5737



5.1624, 14.9705, 28.9527

Square

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



24.9674, 14.9705, 1.5737



6.8437, 14.9705, 1.8554



7.1187, 14.9705, 59.6783



25.6160, 14.9705, 56.7213

Rectangle

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



24.9674, 14.9705, 1.5737



12.8527, 14.9705, 0.0000



7.1187, 14.9705, 59.6783



15.7002, 14.9705, 86.2709

Sweetspot

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



24.9677, 14.9714, 1.5739



69.9876, 65.8173, 51.3984



28.7362, 14.2154, 28.3964



14.3838, 13.2516, 9.7028



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.



24.9677, 14.9714, 1.5739



43.5425, 25.8650, 2.6975



34.8735, 34.7830, 4.8759



10.8729, 11.1149, 11.1351



16.1196, 9.7564, 1.0336



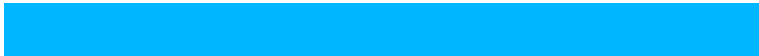
0.8262, 0.5878, 0.0699

Inverse Universe

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



20.1301, 23.7661, 57.5588



35.0311, 41.1822, 100.7104



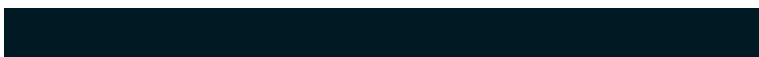
11.3029, 6.1117, 54.6164



10.6847, 11.5434, 13.5825



13.0213, 15.4365, 37.0376



0.6756, 0.8490, 1.7734

Previews

White Background



This preview shows how the XYZ color 24.9674, 14.9705, 1.5737 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 24.9674, 14.9705, 1.5737 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 24.9674, 14.9705, 1.5737

Background



This preview shows how black text looks on a background with the XYZ color 24.9674, 14.9705, 1.5737.



This preview shows how white text looks on a background with the XYZ color 24.9674, 14.9705,

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

24.9674, 14.9705, 1.5737

Protanopia

13.7818, 15.2062, 2.9678

Deuteranopia

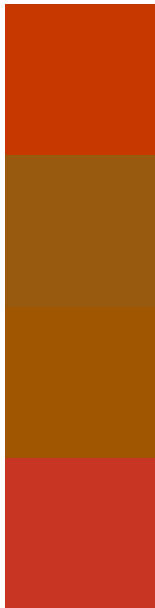
15.1668, 15.0189, 2.0996



Tritanopia

25.7133, 15.0017, 5.0304

Trichromacy



Original Color

24.9674, 14.9705, 1.5737

Protanomaly

16.4979, 13.9233, 2.2334

Deuteranomaly

17.8250, 14.1292, 1.7877

Tritanomaly

25.3813, 14.9411, 3.0595

Monochromacy



Original Color

24.9674, 14.9705, 1.5737

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.9455, 10.7330, 5.5271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9674, 14.9705, 1.5737 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, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 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(199, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9674, 14.9705, 1.5737 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, 56, 0) }
```


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

```
.border{ border-color:rgb(199, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9674, 14.9705, 1.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 0) }
```

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

```
.background{ background-color: rgb(199, 56,  
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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