

Converting Colors

XYZ(24.5431, 14.1613, 1.4398)

Have a look what the booklet for
XYZ(24.5431, 14.1613, 1.4398)
contains.

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Color

**XYZ(24.5697, 14.1751,
1.4411)**

Conversions

Conversions Part 1

Format	Color
Hex	C72F00
RGB	199, 47, 0
RGB Percent	78%, 18%, 0%
CMY	0.2196, 0.8156, 1.0000
CMYK	0.00, 0.76, 1.00, 0.22
HSL	14°, 100%, 39%
HSV	14°, 100%, 78%
XYZ	24.5697, 14.1751, 1.4411
YIQ	87.0900, 105.6790, 17.6070

Conversions

Conversions Part 2

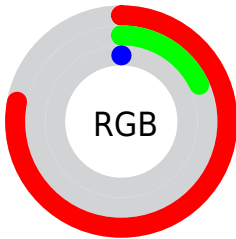
Format	Color
R_{YB}	199, 62, 0
Decimal	13053696
CIE _{Lab}	44.48, 57.81, 56.97
CIE _{LCh}	44, 81.164, 44.583
Yxy	14.1751, 0.6114, 0.3527
Android (android.graphics.Color)	4291243776 (0xFFC72F00)
YUV	87.0900, -42.9354, 98.1451
Hunter-Lab	37.6498, 50.5991, 24.0855

Details

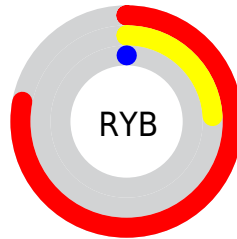
The XYZ color **24.5697, 14.1751, 1.4411** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.5353, 26.5767, 58.0272**, and the grayscale version is **9.1532, 9.6299, 10.4870**.

A 20% lighter version of the original color is **46.9812, 31.6390, 7.2452**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **24.5699, 14.1759, 1.4412**, and if you desaturate by 10%, it is **25.4125, 15.6604, 2.3406**.

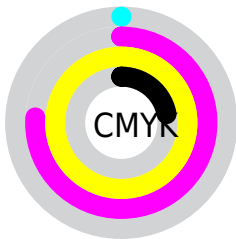
Distribution



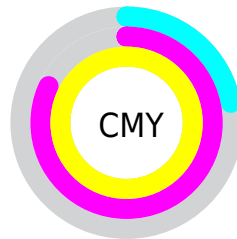
- Red (78%)
- Green (18%)
- Blue (0%)



- Red (78%)
- Yellow (24%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (22%)





- Cyan (22%)
- Magenta (82%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5697, 14.1751, 1.4411 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 24.5697, 14.1751, 1.4411 by changing the saturation by 10% instead.


 24.5697, 14.1751,
1.4411


 24.5697, 14.1751,
1.4411


 268.0755,
218.3174, 112.9858


 15.8838, 8.2426,
0.1735


 50.4062, 33.3994,
7.4472


 9.5323, 4.2505,
0.0000


 68.2875, 47.4599,
13.2193

 5.1498, 1.8147,
0.0000

 89.9647, 64.9986,
21.3954

 2.3711, 0.4963,
0.0000

 115.8030, 86.3997,
32.3941


 0.8307, 0.0000,
0.0000


 146.1679,
112.0478, 46.6340


 0.0000, 0.0000,
0.0000


 181.4248,


142.3272, 64.5335


 221.9388,
177.6223, 86.5113


 24.5697, 14.1751,
1.4411


 24.5697, 14.1751,
1.4411


 24.5699, 14.1759,
1.4412

 25.4125, 15.6604,
2.3406

 26.6153, 17.6591,
3.9956

 28.2408, 20.2252,
6.6491

 30.3285, 23.3998,
10.4306

 32.9129, 27.2199,
15.4497

■ 36.0249, 31.7194,
21.8032

■ 39.6927, 36.9299,
29.5778

■ 43.9427, 42.8806,
38.8533

■ 48.7993, 49.5995,
49.7032

Harmonies

Analogous

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



29.6890, 14.1751, 8.0225



24.5697, 14.1751, 1.4411



17.1028, 14.1751, 0.0000

Triad

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



24.5697, 14.1751, 1.4411



4.6188, 14.1751, 7.6993



16.8961, 14.1751, 83.1792

Complementary

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



24.5697, 14.1751, 1.4411



21.5353, 26.5767, 58.0272

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.



10.3970, 14.1751, 82.7625



24.5697, 14.1751, 1.4411



4.5956, 14.1751, 26.4023

Square

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



24.5697, 14.1751, 1.4411



6.4298, 14.1751, 1.3661



6.3510, 14.1751, 57.0685



24.3768, 14.1751, 57.9603

Rectangle

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



24.5697, 14.1751, 1.4411



12.4924, 14.1751, 0.0000



6.3510, 14.1751, 57.0685



14.5037, 14.1751, 86.4354

Sweetspot

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



24.5700, 14.1760, 1.4413



69.1953, 64.2328, 51.1343



29.2671, 14.4277, 31.1919



14.2005, 12.8849, 9.6417



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.



24.5700, 14.1760, 1.4413



42.8684, 24.5168, 2.4728



33.8216, 32.6793, 4.5252



10.8339, 11.0369, 11.1221



15.8562, 9.2295, 0.9458



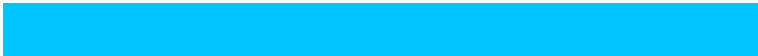
0.8087, 0.5528, 0.0641

Inverse Universe

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



21.5353, 26.5767, 58.0272



37.5116, 46.1431, 101.5372



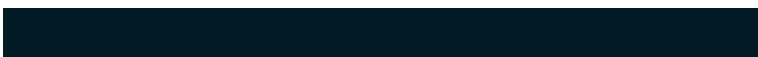
11.5849, 6.6759, 54.7104



10.7262, 11.6264, 13.5963



13.9178, 17.2295, 37.3364



0.7119, 0.9217, 1.7855

Previews

White Background



This preview shows how the XYZ color 24.5697, 14.1751, 1.4411 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



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 24.5697, 14.1751, 1.4411

Background



This preview shows how black text looks on a background with the XYZ color 24.5697, 14.1751, 1.4411.



This preview shows how white text looks on a background with the XYZ color 24.5697, 14.1751,

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

24.5697, 14.1751, 1.4411

Protanopia

13.1581, 14.5703, 2.9295

Deuteranopia

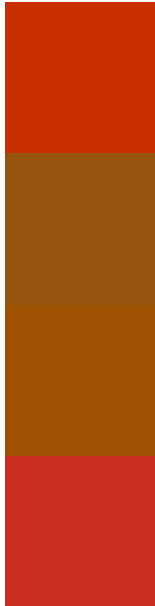
14.4852, 14.3757, 2.0113



Tritanopia

25.1938, 14.2702, 3.9092

Trichromacy



Original Color

24.5697, 14.1751, 1.4411

Protanomaly

15.7291, 12.9210, 2.1169

Deuteranomaly

17.0430, 13.1540, 1.6407

Tritanomaly

24.9796, 14.2448, 2.5954

Monochromacy



Original Color

24.5697, 14.1751, 1.4411

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.9090, 9.4998, 4.8204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5697, 14.1751, 1.4411 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, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 47, 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, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.5697, 14.1751, 1.4411 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, 47, 0) }
```


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

```
.border{ border-color:rgb(199, 47, 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, 47, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.5697, 14.1751, 1.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 47, 0) }
```

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

```
.background{ background-color: rgb(199, 47,  
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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