

Converting Colors

XYZ(24.6833, 14.9875, 2.2400)

Have a look what the booklet for
XYZ(24.6833, 14.9875, 2.2400)
contains.

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Color

**XYZ(24.6653, 14.9469,
2.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	C53A14
RGB	197, 58, 20
RGB Percent	77%, 23%, 8%
CMY	0.2275, 0.7725, 0.9216
CMYK	0.00, 0.71, 0.90, 0.23
HSL	13°, 82%, 43%
HSV	13°, 90%, 77%
XYZ	24.6653, 14.9469, 2.2469
YIQ	95.2290, 95.0420, 17.6500

Conversions

Conversions Part 2

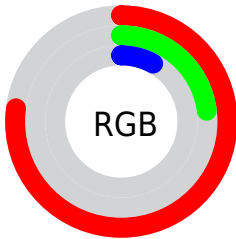
Format	Color
R_{YB}	197, 68, 20
Decimal	12925460
CIE Lab	45.56, 53.57, 51.28
CIE LCh	46, 74.161, 43.749
Yxy	14.9469, 0.5892, 0.3571
Android (android.graphics.Color)	4291115540 (0xFFC53A14)
YUV	95.2290, -37.0879, 89.2532
Hunter-Lab	38.6612, 46.2233, 23.6171

Details

The XYZ color **24.6653, 14.9469, 2.2469** 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 **22.7634, 28.9737, 57.2157**, and the grayscale version is **11.0033, 11.5764, 12.6067**.

A 20% lighter version of the original color is **48.2193, 33.4999, 9.5549**, and **9.8315, 5.0683, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **23.8747, 13.5654, 1.3687**, and if you desaturate by 10%, it is **25.8179, 16.8497, 3.8726**.

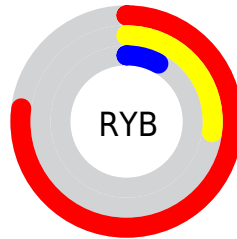
Distribution



Red (77%)

Green (23%)

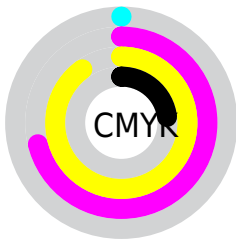
Blue (8%)



Red (77%)

Yellow (27%)

Blue (8%)

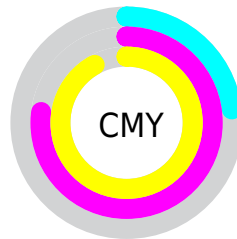


Cyan (0%)

Magenta (71%)

Yellow (90%)

Black (23%)



Cyan (23%)


Magenta (77%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6653, 14.9469, 2.2469 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 24.6653, 14.9469, 2.2469 by changing the saturation by 10% instead.


 24.6653, 14.9469,
2.2469


 24.6653, 14.9469,
2.2469


268.5455,
223.0446, 126.1000


 15.9553, 8.7821,
0.7012


 50.5605, 34.7600,
9.7054


 9.5832, 4.5993,
0.0000


 68.4764, 49.1771,
16.4786


 5.1836, 2.0142,
0.0000

 90.1917, 67.1138,
25.8391

 2.3912, 0.6157,
0.0000

 116.0716, 88.9545,
38.2054


 0.8407, 0.0000,
0.0000


 146.4816,
115.0835, 53.9961


 0.0000, 0.0000,
0.0000


 181.7870,


145.8852, 73.6297


 222.3532,
181.7441, 97.5249


 24.6653, 14.9469,
2.2469


 24.6653, 14.9469,
2.2469

 23.8747, 13.5654,
1.3687


 25.8179, 16.8497,
3.8726

 23.8645, 13.5477,
1.3572

 27.3938, 19.3264,
6.4792

 29.4334, 22.4213,
10.1931

 31.9715, 26.1734,
15.1218

 35.0398, 30.6182,
21.3595

■ 38.6668, 35.7889,
28.9915

■ 42.8793, 41.7162,
38.0956

■ 47.7021, 48.4293,
48.7439

■ 53.1586, 55.9556,
61.0037

Harmonies

Analogous

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



29.2021, 14.9469, 9.4387



24.6653, 14.9469, 2.2469



17.8075, 14.9469, 0.5143

Triad

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



24.6653, 14.9469, 2.2469



5.5649, 14.9469, 8.4730



17.2298, 14.9469, 76.9878

Complementary

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



24.6653, 14.9469, 2.2469



22.7634, 28.9737, 57.2157

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.



11.1271, 14.9469, 75.9065



24.6653, 14.9469, 2.2469



5.4932, 14.9469, 25.8033

Square

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



24.6653, 14.9469, 2.2469



7.4591, 14.9469, 1.9771



7.2223, 14.9469, 53.0975



24.1378, 14.9469, 55.4483

Rectangle

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



24.6653, 14.9469, 2.2469



13.4419, 14.9469, 0.3182



7.2223, 14.9469, 53.0975



14.9997, 14.9469, 79.5649

Sweetspot

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



24.6656, 14.9478, 2.2471



70.9902, 66.5542, 55.6427



29.7621, 14.9651, 35.3162



14.6690, 13.5015, 10.7856



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.



24.6656, 14.9478, 2.2471



42.5946, 23.9693, 2.3815



33.1103, 31.8371, 5.0620



10.8154, 11.0000, 11.1159



15.7476, 9.0123, 0.9096



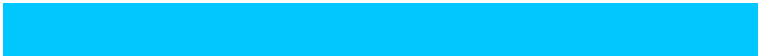
0.8003, 0.5361, 0.0613

Inverse Universe

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



22.7634, 28.9737, 57.2157



38.7608, 48.6415, 101.9536



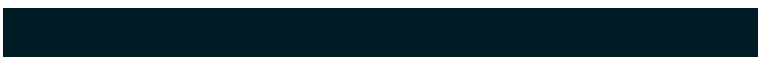
12.7557, 8.9584, 53.8798



10.7460, 11.6660, 13.6029



14.3683, 18.1306, 37.4866



0.7299, 0.9577, 1.7915

Previews

White Background



This preview shows how the XYZ color 24.6653, 14.9469, 2.2469 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 24.6653, 14.9469, 2.2469 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 24.6653, 14.9469, 2.2469

Background



This preview shows how black text looks on a background with the XYZ color 24.6653, 14.9469, 2.2469.



This preview shows how white text looks on a background with the XYZ color 24.6653, 14.9469,

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

24.6653, 14.9469, 2.2469

Protanopia

13.7554, 15.1791, 3.5714

Deuteranopia

15.1668, 15.0189, 2.0996



Tritanopia

25.3464, 14.9395, 5.4186

Trichromacy



Original Color

24.6653, 14.9469, 2.2469

Protanomaly

16.2602, 13.7857, 2.9025

Deuteranomaly

17.7446, 14.2027, 2.0072

Tritanomaly

25.1095, 14.9200, 3.9393

Monochromacy



Original Color

24.6653, 14.9469, 2.2469

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.5764, 11.3575, 6.9455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6653, 14.9469, 2.2469 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(197, 58, 20)` looks like.

```
.text, #text, p{  
    color:rgb(197, 58, 20)  
}
```

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(197, 58, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 58, 20) }
```

Border

The CSS property to change the border of an element to XYZ 24.6653, 14.9469, 2.2469 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(197, 58, 20) }
```


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

```
.border{ border-color:rgb(197, 58, 20) }
```

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

Here you see how a box with a 4 pixel rgb(197, 58, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 58, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 58, 20);  
box-shadow:4px 4px 4px 4px rgb(197, 58,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6653, 14.9469, 2.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 58, 20) }
```

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

```
.background{ background-color: rgb(197, 58,  
20) }
```

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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