

Converting Colors

XYZ(26.9115, 16.8567, 1.8353)

Have a look what the booklet for
XYZ(26.9115, 16.8567, 1.8353)
contains.

XYZ(26.9090, 16.8517, 1.8344)	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(26.9090, 16.8517,
1.8344)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4300
RGB	204, 67, 0
RGB Percent	80%, 26%, 0%
CMY	0.2000, 0.7372, 1.0000
CMYK	0.00, 0.67, 1.00, 0.20
HSL	20°, 100%, 40%
HSV	20°, 100%, 80%
XYZ	26.9090, 16.8517, 1.8344
YIQ	100.3250, 103.1590, 8.2070

Conversions

Conversions Part 2

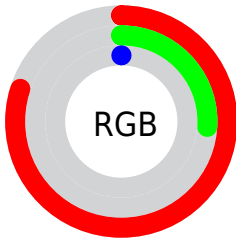
Format	Color
R_YB	204, 100, 0
Decimal	13386496
CIE Lab	48.07, 52.14, 59.20
CIE LCh	48, 78.886, 48.628
Yxy	16.8517, 0.5902, 0.3696
Android (android.graphics.Color)	4291576576 (0xFFCC4300)
YUV	100.3250, -49.4602, 90.9230
Hunter-Lab	41.0508, 45.1686, 26.0861

Details

The XYZ color **26.9090, 16.8517, 1.8344** 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 **19.8434, 22.2485, 60.3748**, and the grayscale version is **12.3013, 12.9419, 14.0938**.

A 20% lighter version of the original color is **48.9890, 35.4948, 8.4069**, and **10.9845, 5.6627, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **26.9093, 16.8526, 1.8346**, and if you desaturate by 10%, it is **27.9523, 18.7308, 2.8229**.

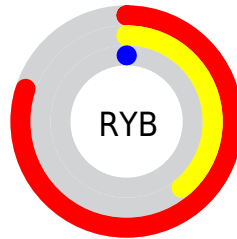
Distribution



Red (80%)

Green (26%)

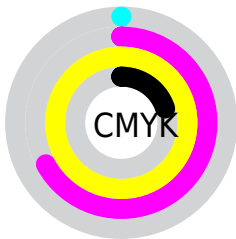
Blue (0%)



Red (80%)

Yellow (39%)

Blue (0%)

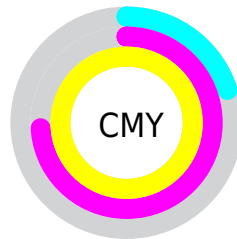


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9090, 16.8517, 1.8344 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 26.9090, 16.8517, 1.8344 by changing the saturation by 10% instead.

 26.9090, 16.8517,
1.8344


 26.9090, 16.8517,
1.8344


 279.3918,
234.3163, 119.7499


 17.6411, 10.1288,
0.4505


 54.1587, 38.0706,
8.5829


 10.7908, 5.4844,
0.0000


 72.8713, 53.3354,
14.8705


 5.9926, 2.5342,
0.0000


 95.4628, 72.2164,
23.6583

 2.8812, 0.8937,
0.0000

 122.2986, 95.0978,
35.3649

 1.0912, 0.0000,
0.0000

 153.7440,
122.3641, 50.4088


 0.0178, 0.0000,
0.0000


 190.1645,


 0.0000, 0.0000,


154.3997, 69.2086


0.0000


 231.9253,
191.5890, 92.1828


 26.9090, 16.8517,
1.8344


 26.9090, 16.8517,
1.8344


 26.9093, 16.8526,
1.8346

 27.9523, 18.7308,
2.8229

 29.3375, 21.0741,
4.6011

 31.1232, 23.9240,
7.4208

 33.3452, 27.3118,
11.4175

 36.0345, 31.2658,
16.7063

■ 39.2191, 35.8118,
23.3882

■ 42.9245, 40.9744,
31.5541

■ 47.1742, 46.7761,
41.2871

■ 51.9903, 53.2388,
52.6642

Harmonies

Analogous

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



32.8612, 16.8517, 8.4390



26.9090, 16.8517, 1.8344



18.8786, 16.8517, 0.3878

Triad

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



26.9090, 16.8517, 1.8344



5.9776, 16.8517, 11.6381



20.8134, 16.8517, 86.4881

Complementary

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



26.9090, 16.8517, 1.8344



19.8434, 22.2485, 60.3748

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.



13.4603, 16.8517, 90.1585



26.9090, 16.8517, 1.8344



6.2137, 16.8517, 33.9863

Square

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



26.9090, 16.8517, 1.8344



7.7672, 16.8517, 2.7013



8.5503, 16.8517, 66.4777



28.6824, 16.8517, 58.5201

Rectangle

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



26.9090, 16.8517, 1.8344



14.0450, 16.8517, 0.3419



8.5503, 16.8517, 66.4777



18.1656, 16.8517, 91.1065

Sweetspot

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



26.9094, 16.8527, 1.8347



70.8308, 67.5037, 51.6795



29.5911, 14.7131, 25.8599



14.5798, 13.6434, 9.7681



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.



26.9094, 16.8527, 1.8347



44.3918, 27.5636, 2.9806



38.6471, 40.3282, 5.7472



11.5083, 11.8055, 11.7516



17.0135, 10.7599, 1.1802



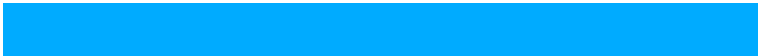
0.9470, 0.6937, 0.0840

Inverse Universe

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



19.8434, 22.2485, 60.3748



32.6581, 36.4363, 99.9194



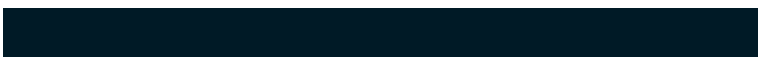
11.5731, 5.7078, 57.6180



11.2207, 12.0818, 14.3110



12.5778, 14.1797, 38.0303



0.7164, 0.8665, 1.9844

Previews

White Background



This preview shows how the XYZ color 26.9090, 16.8517, 1.8344 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 26.9090, 16.8517, 1.8344 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 26.9090, 16.8517, 1.8344

Background



This preview shows how black text looks on a background with the XYZ color 26.9090, 16.8517, 1.8344.



This preview shows how white text looks on a background with the XYZ color 26.9090, 16.8517,

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

26.9090, 16.8517, 1.8344

Protanopia

15.3288, 16.9865, 3.2299

Deuteranopia

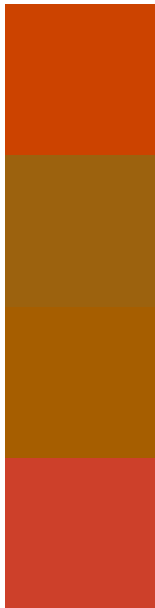
17.1457, 16.9570, 2.3694



Tritanopia

27.8828, 16.8177, 6.9308

Trichromacy



Original Color

26.9090, 16.8517, 1.8344

Protanomaly

18.1572, 15.8350, 2.5149

Deuteranomaly

19.7286, 16.1124, 2.0702

Tritanomaly

27.4282, 16.8131, 3.9901

Monochromacy



Original Color

26.9090, 16.8517, 1.8344

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.8964, 12.7529, 6.5269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9090, 16.8517, 1.8344 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(204, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 67, 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(204, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 26.9090, 16.8517, 1.8344 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(204, 67, 0) }
```


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

```
.border{ border-color:rgb(204, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 26.9090, 16.8517, 1.8344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 67, 0) }
```

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

```
.background{ background-color: rgb(204, 67,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor