

Converting Colors

XYZ(34.9865, 21.7676, 2.3576)

Have a look what the booklet for
XYZ(34.9865, 21.7676, 2.3576)
contains.

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Color

**XYZ(34.8292, 21.6902,
2.3509)**

Conversions

Conversions Part 1

Format	Color
Hex	E54B00
RGB	229, 75, 0
RGB Percent	90%, 29%, 0%
CMY	0.1020, 0.7058, 1.0000
CMYK	0.00, 0.67, 1.00, 0.10
HSL	20°, 100%, 45%
HSV	20°, 100%, 90%
XYZ	34.8292, 21.6902, 2.3509
YIQ	112.4960, 115.8590, 9.3230

Conversions

Conversions Part 2

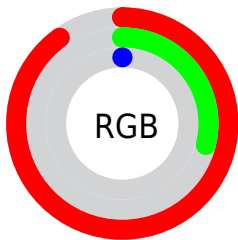
Format	Color
RYB	229, 112, 0
Decimal	15026944
CIELab	53.70, 57.38, 64.48
CIELCh	54, 86.312, 48.332
Yxy	21.6902, 0.5916, 0.3684
Android (android.graphics.Color)	4293217024 (0xFFE54B00)
YUV	112.4960, -55.4605, 102.1740
Hunter-Lab	46.5727, 51.9881, 29.6081

Details

The XYZ color **34.8292, 21.6902, 2.3509** 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 **25.6970, 28.7655, 78.3261**, and the grayscale version is **15.6829, 16.4996, 17.9681**.

A 20% lighter version of the original color is **50.2258, 37.8404, 9.2142**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **34.8295, 21.6912, 2.3511**, and if you desaturate by 10%, it is **36.1573, 24.1010, 3.5518**.

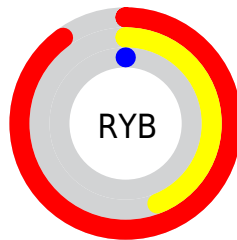
Distribution



Red (90%)

Green (29%)

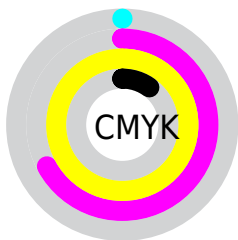
Blue (0%)



Red (90%)

Yellow (44%)

Blue (0%)

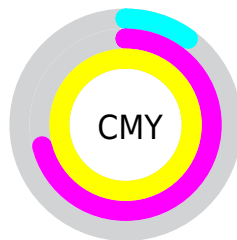


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8292, 21.6902, 2.3509 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 34.8292, 21.6902, 2.3509 by changing the saturation by 10% instead.

 34.8292, 21.6902,
2.3509


 34.8292, 21.6902,
2.3509


315.3350,
260.9241, 127.6075


 23.6972, 13.6294,
0.7595


 66.5569, 46.2334,
9.9797

 15.2327, 7.8634,
0.0000


 87.8833, 63.4847,
16.8683

 9.0702, 4.0077,
0.0000


 113.3385, 84.5682,
26.3645

 4.8445, 1.6778,
0.0000

 143.2880,
109.8685, 38.8867

 2.1901, 0.4093,
0.0000

 178.0970,
139.7698, 54.8536


 0.7375, 0.0000,
0.0000


 218.1309,


 0.0000, 0.0000,


174.6566, 74.6837


0.0000


 263.7552,
214.9132, 98.7955


 34.8292, 21.6902,
2.3509


 34.8292, 21.6902,
2.3509


 34.8295, 21.6912,
2.3511

 36.1573, 24.1010,
3.5518

 37.9365, 27.1223,
5.8001

 40.2405, 30.8092,
9.4078

 43.1172, 35.2034,
14.5568

 46.6080, 40.3426,
21.4004

■ 50.7502, 46.2616,
30.0731

■ 55.5776, 52.9927,
40.6959

■ 61.1217, 60.5663,
53.3792

■ 67.4118, 69.0110,
68.2251

Harmonies

Analogous

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



42.5017, 21.6902, 10.9547



34.8292, 21.6902, 2.3509



24.4225, 21.6902, 0.5630

Triad

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



34.8292, 21.6902, 2.3509



7.6510, 21.6902, 14.7475



26.7249, 21.6902, 112.3460

Complementary

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



34.8292, 21.6902, 2.3509



25.6970, 28.7655, 78.3261

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.



17.2269, 21.6902, 116.7322



34.8292, 21.6902, 2.3509



7.9304, 21.6902, 43.5108

Square

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



34.8292, 21.6902, 2.3509



9.9872, 21.6902, 3.3686



10.9154, 21.6902, 85.6768



36.9422, 21.6902, 76.1761

Rectangle

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



34.8292, 21.6902, 2.3509



18.1467, 21.6902, 0.5020



10.9154, 21.6902, 85.6768



23.2994, 21.6902, 118.2315

Sweetspot

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



34.8297, 21.6915, 2.3512



70.8140, 67.4702, 51.6739



38.3547, 19.0747, 33.3279



14.5759, 13.6356, 9.7668



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.



34.8297, 21.6915, 2.3512



44.3736, 27.5272, 2.9745



50.0867, 52.2056, 7.4369



14.7606, 15.1351, 15.0479



20.0118, 12.5977, 1.3769



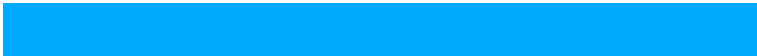
1.5611, 1.0956, 0.1292

Inverse Universe

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



25.6970, 28.7655, 78.3261



32.7027, 36.5255, 99.9342



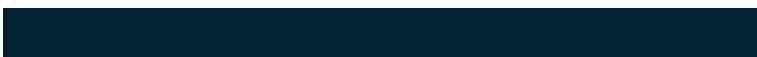
14.9702, 7.3120, 74.7505



14.3888, 15.4989, 18.3776



14.8065, 16.6752, 44.8214



1.1780, 1.4000, 3.3401

Previews

White Background



This preview shows how the XYZ color 34.8292, 21.6902, 2.3509 looks on a white 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

Black Background



This preview shows how the XYZ color 34.8292, 21.6902, 2.3509 looks on a black 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

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

XYZ 34.8292, 21.6902, 2.3509

Background



This preview shows how black text looks on a background with the XYZ color 34.8292, 21.6902, 2.3509.



This preview shows how white text looks on a background with the XYZ color 34.8292, 21.6902,

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

34.8292, 21.6902, 2.3509

Protanopia

19.6922, 21.7862, 4.0314

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

36.0259, 21.6844, 8.5901

Trichromacy



Original Color

34.8292, 21.6902, 2.3509

Protanomaly

23.4594, 20.2019, 3.1148

Deuteranomaly

25.5451, 20.6679, 2.6429

Tritanomaly

35.4436, 21.6550, 4.8965

Monochromacy



Original Color

34.8292, 21.6902, 2.3509

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.1491, 16.3601, 8.2794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8292, 21.6902, 2.3509 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(229, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 75, 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(229, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 75, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.8292, 21.6902, 2.3509 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(229, 75, 0) }
```


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

```
.border{ border-color:rgb(229, 75, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 75, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8292, 21.6902, 2.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 75, 0) }
```

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

```
.background{ background-color: rgb(229, 75,  
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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