

Converting Colors

XYZ(34.7215, 21.6115, 2.3652)

Have a look what the booklet for
XYZ(34.7215, 21.6115, 2.3652)
contains.

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Color

**XYZ(34.8347, 21.6924,
2.3798)**

Conversions

Conversions Part 1

Format	Color
Hex	E54B01
RGB	229, 75, 1
RGB Percent	90%, 29%, 0%
CMY	0.1020, 0.7058, 0.9961
CMYK	0.00, 0.67, 1.00, 0.10
HSL	19°, 99%, 45%
HSV	19°, 100%, 90%
XYZ	34.8347, 21.6924, 2.3798
YIQ	112.6100, 115.5380, 9.6340

Conversions

Conversions Part 2

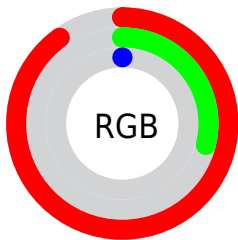
Format	Color
R_{YB}	229, 111, 1
Decimal	15026945
CIE Lab	53.70, 57.39, 64.25
CIE LCh	54, 86.151, 48.229
Yxy	21.6924, 0.5914, 0.3682
Android (android.graphics.Color)	4293217025 (0xFFE54B01)
YUV	112.6100, -55.0237, 102.0740
Hunter-Lab	46.5751, 51.9983, 29.5731

Details

The XYZ color **34.8347, 21.6924, 2.3798** 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 **25.8755, 29.1040, 78.3820**, and the grayscale version is **15.7156, 16.5340, 18.0055**.

A 20% lighter version of the original color is **50.2535, 37.8515, 9.3600**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **34.7839, 21.5999, 2.3359**, and if you desaturate by 10%, it is **36.1733, 24.1166, 3.6074**.

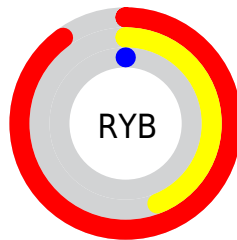
Distribution



Red (90%)

Green (29%)

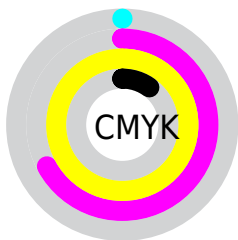
Blue (0%)



Red (90%)

Yellow (44%)

Blue (0%)

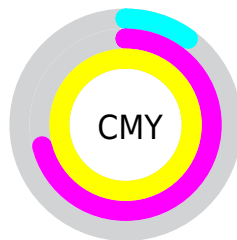


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8347, 21.6924, 2.3798 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 34.8347, 21.6924, 2.3798 by changing the saturation by 10% instead.


 34.8347, 21.6924,
2.3798


 34.8347, 21.6924,
2.3798


315.3589,
260.9357, 128.0206


 23.7015, 13.6311,
0.7754


 66.5653, 46.2371,
10.0553

 15.2359, 7.8645,
0.0000


 87.8934, 63.4892,
16.9756


 9.0725, 4.0084,
0.0000


 113.3506, 84.5737,
26.5089

 4.8460, 1.6782,
0.0000

 143.3021,
109.8750, 39.0739

 2.1910, 0.4095,
0.0000

 178.1133,
139.7774, 55.0890

 0.7380, 0.0000,
0.0000


 218.1496,


 0.0000, 0.0000,


174.6654, 74.9728


0.0000


 263.7764,
214.9234, 99.1438


 34.8347, 21.6924,
2.3798


 34.8347, 21.6924,
2.3798


 34.7839, 21.5999,
2.3359

 36.1733, 24.1166,
3.6074

 37.9703, 27.1581,
5.9095

 40.2964, 30.8712,
9.5804

 43.1994, 35.2977,
14.8005

 46.7207, 40.4757,
21.7223

■ 50.8974, 46.4401,
30.4797

■ 55.7635, 53.2235,
41.1931

■ 61.3506, 60.8564,
53.9725

■ 67.6881, 69.3680,
68.9199

Harmonies

Analogous

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



42.4704, 21.6924, 11.0261



34.8347, 21.6924, 2.3798



24.4523, 21.6924, 0.5765

Triad

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



34.8347, 21.6924, 2.3798



7.6722, 21.6924, 14.6980



26.6790, 21.6924, 112.1793

Complementary

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



34.8347, 21.6924, 2.3798



25.8755, 29.1040, 78.3820

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.



17.2070, 21.6924, 116.4162



34.8347, 21.6924, 2.3798



7.9429, 21.6924, 43.3395

Square

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



34.8347, 21.6924, 2.3798



10.0168, 21.6924, 3.3678



10.9156, 21.6924, 85.3721



36.8775, 21.6924, 76.1925

Rectangle

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



34.8347, 21.6924, 2.3798



18.1821, 21.6924, 0.5118



10.9156, 21.6924, 85.3721



23.2623, 21.6924, 118.0026

Sweetspot

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



34.8352, 21.6937, 2.3801



70.7605, 67.3631, 51.6561



38.3926, 19.1072, 33.4738



14.5634, 13.6107, 9.7626



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.



34.8352, 21.6937, 2.3801



44.3158, 27.4117, 2.9553



50.1312, 52.2858, 7.4788



14.7571, 15.1281, 15.0467



19.9851, 12.5443, 1.3680



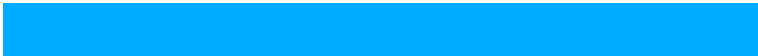
1.5588, 1.0910, 0.1284

Inverse Universe

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



25.8755, 29.1040, 78.3820



32.8460, 36.8120, 99.9820



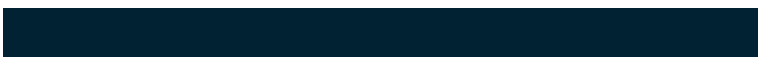
15.0121, 7.3771, 74.7609



14.3925, 15.5063, 18.3788



14.8702, 16.8024, 44.8426



1.1824, 1.4087, 3.3416

Previews

White Background



This preview shows how the XYZ color 34.8347, 21.6924, 2.3798 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 34.8347, 21.6924, 2.3798 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 34.8347, 21.6924, 2.3798

Background



This preview shows how black text looks on a background with the XYZ color 34.8347, 21.6924, 2.3798.



This preview shows how white text looks on a background with the XYZ color 34.8347, 21.6924,

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

34.8347, 21.6924, 2.3798

Protanopia

19.6922, 21.7862, 4.0314

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

36.0259, 21.6844, 8.5901

Trichromacy



Original Color

34.8347, 21.6924, 2.3798

Protanomaly

23.4667, 20.2048, 3.1533

Deuteranomaly

25.5451, 20.6679, 2.6429

Tritanomaly

35.4636, 21.6630, 5.0016

Monochromacy



Original Color

34.8347, 21.6924, 2.3798

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 34.8347, 21.6924, 2.3798 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(229, 75, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 75, 1) }
```

Border

The CSS property to change the border of an element to XYZ 34.8347, 21.6924, 2.3798 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, 1) }
```


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

```
.border{ border-color:rgb(229, 75, 1) }
```

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, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 75, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 75, 1);  
box-shadow:4px 4px 4px 4px rgb(229, 75, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8347, 21.6924, 2.3798 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, 1) }
```

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

```
.background{ background-color: rgb(229, 75,  
1) }
```

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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