

Converting Colors

XYZ(35.0138, 21.9270, 2.2751)

Have a look what the booklet for
XYZ(35.0138, 21.9270, 2.2751)
contains.

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Color

**XYZ(34.8975, 21.8269,
2.3737)**

Conversions

Conversions Part 1

Format	Color
Hex	E54C00
RGB	229, 76, 0
RGB Percent	90%, 30%, 0%
CMY	0.1020, 0.7019, 1.0000
CMYK	0.00, 0.67, 1.00, 0.10
HSL	20°, 100%, 45%
HSV	20°, 100%, 90%
XYZ	34.8975, 21.8269, 2.3737
YIQ	113.0830, 115.5840, 8.8000

Conversions

Conversions Part 2

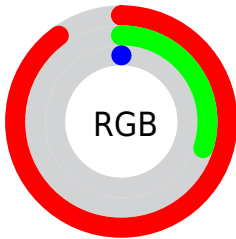
Format	Color
RYB	229, 114, 0
Decimal	15027200
CIELab	53.84, 56.99, 64.55
CIElCh	54, 86.103, 48.561
Yxy	21.8269, 0.5905, 0.3693
Android (android.graphics.Color)	4293217280 (0xFFE54C00)
YUV	113.0830, -55.7499, 101.6592
Hunter-Lab	46.7193, 51.5739, 29.6911

Details

The XYZ color **34.8975, 21.8269, 2.3737** 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 **25.5327, 28.4369, 78.2712**, and the grayscale version is **15.8583, 16.6842, 18.1691**.

A 20% lighter version of the original color is **50.3608, 38.1103, 9.2592**, and **15.3424, 7.9576, 0.7273** is the 20% darker color. If you saturate the color by 10%, you get **34.8978, 21.8279, 2.3739**, and if you desaturate by 10%, it is **36.2341, 24.2545, 3.5774**.

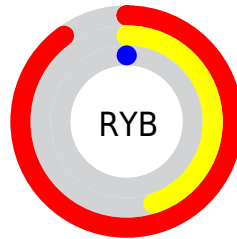
Distribution



Red (90%)

Green (30%)

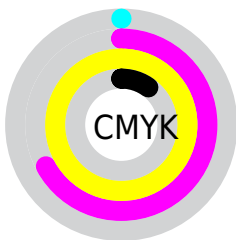
Blue (0%)



Red (90%)

Yellow (45%)

Blue (0%)

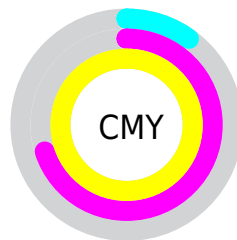


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8975, 21.8269, 2.3737 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 34.8975, 21.8269, 2.3737 by changing the saturation by 10% instead.


 34.8975, 21.8269,
2.3737


 34.8975, 21.8269,
2.3737


315.6316,
261.6410, 127.9336


 23.7501, 13.7298,
0.7721


 66.6620, 46.4597,
10.0394

 15.2721, 7.9330,
0.0000


 88.0098, 63.7642,
16.9530

 9.0981, 4.0521,
0.0000


 113.4885, 84.9066,
26.4785

 4.8628, 1.7027,
0.0000

 143.4633,
110.2713, 39.0345

 2.2009, 0.4254,
0.0000

 178.2997,
140.2427, 55.0394

 0.7432, 0.0000,
0.0000


 218.3629,


 0.0000, 0.0000,


175.2052, 74.9119


0.0000


 264.0185,
215.5431, 99.0704


 34.8975, 21.8269,
2.3737


 34.8975, 21.8269,
2.3737


 34.8978, 21.8279,
2.3739

 36.2341, 24.2545,
3.5774

 38.0190, 27.2875,
5.8277

 40.3260, 30.9803,
9.4364

 43.2023, 35.3738,
14.5853

 46.6893, 40.5053,
21.4276

■ 50.8237, 46.4089,
30.0978

■ 55.6394, 53.1164,
40.7167

■ 61.1675, 60.6579,
53.3947

■ 67.4371, 69.0616,
68.2337

Harmonies

Analogous

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



42.6095, 21.8269, 10.9516



34.8975, 21.8269, 2.3737



24.4803, 21.8269, 0.5901

Triad

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



34.8975, 21.8269, 2.3737



7.7327, 21.8269, 15.0210



26.9434, 21.8269, 112.2545

Complementary

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



34.8975, 21.8269, 2.3737



25.5327, 28.4369, 78.2712

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.



17.4119, 21.8269, 116.9319



34.8975, 21.8269, 2.3737



8.0329, 21.8269, 43.9667

Square

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



34.8975, 21.8269, 2.3737



10.0581, 21.8269, 3.4740



11.0542, 21.8269, 86.1291



37.1559, 21.8269, 75.9907

Rectangle

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



34.8975, 21.8269, 2.3737



18.2073, 21.8269, 0.5375



11.0542, 21.8269, 86.1291



23.5100, 21.8269, 118.2231

Sweetspot

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



34.8980, 21.8282, 2.3740



70.8933, 67.6287, 51.7003



38.3546, 19.0746, 33.3279



14.5943, 13.6725, 9.7729



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.



34.8980, 21.8282, 2.3740



44.4601, 27.7002, 3.0034



50.0866, 52.2055, 7.4369



14.7658, 15.1456, 15.0496



20.0517, 12.6776, 1.3902



1.5646, 1.1025, 0.1303

Inverse Universe

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



25.5327, 28.4369, 78.2712



32.4926, 36.1052, 99.8642



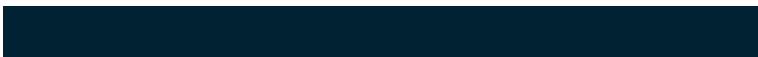
14.9702, 7.3120, 74.7504



14.3833, 15.4880, 18.3757



14.7132, 16.4885, 44.7903



1.1716, 1.3872, 3.3380

Previews

White Background



This preview shows how the XYZ color 34.8975, 21.8269, 2.3737 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 34.8975, 21.8269, 2.3737 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 34.8975, 21.8269, 2.3737

Background



This preview shows how black text looks on a background with the XYZ color 34.8975, 21.8269, 2.3737.



This preview shows how white text looks on a background with the XYZ color 34.8975, 21.8269,

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

34.8975, 21.8269, 2.3737

Protanopia

20.0016, 22.1422, 4.0838

Deuteranopia

22.1872, 21.9524, 3.0679



Tritanopia

36.1224, 21.8239, 8.7871

Trichromacy



Original Color

34.8975, 21.8269, 2.3737

Protanomaly

23.5667, 20.4165, 3.1506

Deuteranomaly

25.6476, 20.8729, 2.6771

Tritanomaly

35.5288, 21.7933, 5.0233

Monochromacy



Original Color

34.8975, 21.8269, 2.3737

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.2444, 16.5508, 8.3112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8975, 21.8269, 2.3737 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, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 76, 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, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.8975, 21.8269, 2.3737 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, 76, 0) }
```


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

```
.border{ border-color:rgb(229, 76, 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, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8975, 21.8269, 2.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 76, 0) }
```

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

```
.background{ background-color: rgb(229, 76,  
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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