

Converting Colors

XYZ(34.3123, 21.1287, 2.2698)

Have a look what the booklet for
XYZ(34.3123, 21.1287, 2.2698)
contains.

XYZ(34.3123, 21.1287, 2.2698)	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(34.3123, 21.1287,
2.2698)**

Conversions

Conversions Part 1

Format	Color
Hex	E44800
RGB	228, 72, 0
RGB Percent	89%, 28%, 0%
CMY	0.1059, 0.7176, 1.0000
CMYK	0.00, 0.68, 1.00, 0.11
HSL	19°, 100%, 45%
HSV	19°, 100%, 89%
XYZ	34.3123, 21.1287, 2.2698
YIQ	110.4360, 116.0880, 10.6800

Conversions

Conversions Part 2

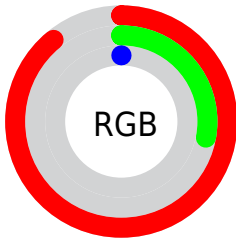
Format	Color
RYB	228, 105, 0
Decimal	14960640
CIELab	53.09, 58.22, 64.08
CIElCh	53, 86.575, 47.743
Yxy	21.1287, 0.5946, 0.3661
Android (android.graphics.Color)	4293150720 (0xFFE44800)
YUV	110.4360, -54.4449, 103.1036
Hunter-Lab	45.9660, 52.8048, 29.2484

Details

The XYZ color **34.3123, 21.1287, 2.2698** 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 **25.8908, 29.3759, 77.7038**, and the grayscale version is **15.0763, 15.8614, 17.2731**.

A 20% lighter version of the original color is **49.8287, 37.0461, 9.0818**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **34.3126, 21.1296, 2.2699**, and if you desaturate by 10%, it is **35.6051, 23.4705, 3.4540**.

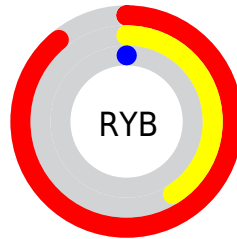
Distribution



Red (89%)

Green (28%)

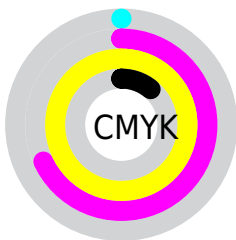
Blue (0%)



Red (89%)

Yellow (41%)

Blue (0%)

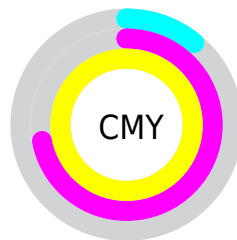


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3123, 21.1287, 2.2698 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 34.3123, 21.1287, 2.2698 by changing the saturation by 10% instead.


 34.3123, 21.1287,
2.2698


 34.3123, 21.1287,
2.2698


313.0838,
257.9617, 126.4348


 23.2976, 13.2181,
0.7142


 65.7601, 45.3016,
9.7661


 14.9353, 7.5789,
0.0000


 86.9239, 62.3328,
16.5649


 8.8600, 3.8267,
0.0000


 112.2016, 83.1729,
25.9555

 4.7064, 1.5771,
0.0000

 141.9583,
108.2063, 38.3565

 2.1090, 0.3421,
0.0000

 176.5596,
137.8175, 54.1864


 0.6941, 0.0000,
0.0000


 216.3707,


 0.0000, 0.0000,


172.3909, 73.8637


0.0000


 261.7570,
212.3108, 97.8070


 34.3123, 21.1287,
2.2698


 34.3123, 21.1287,
2.2698


 34.3126, 21.1296,
2.2699

 35.6051, 23.4705,
3.4540

 37.3511, 26.4301,
5.6769

 39.6244, 30.0641,
9.2482

 42.4733, 34.4157,
14.3480

 45.9395, 39.5235,
21.1282

■ 50.0605, 45.4236,
29.7222

■ 54.8707, 52.1491,
40.2499

■ 60.4016, 59.7314,
52.8206

■ 66.6830, 68.2001,
67.5357

Harmonies

Analogous

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



41.8086, 21.1287, 10.8550



34.3123, 21.1287, 2.2698



24.0346, 21.1287, 0.4847

Triad

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



34.3123, 21.1287, 2.2698



7.3688, 21.1287, 13.9154



25.9066, 21.1287, 111.4795

Complementary

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



34.3123, 21.1287, 2.2698



25.8908, 29.3759, 77.7038

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.



16.5888, 21.1287, 115.0760



34.3123, 21.1287, 2.2698



7.5934, 21.1287, 41.9276

Square

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



34.3123, 21.1287, 2.2698



9.7083, 21.1287, 3.0746



10.4569, 21.1287, 83.6822



36.0346, 21.1287, 75.9063

Rectangle

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



34.3123, 21.1287, 2.2698



17.8136, 21.1287, 0.4020



10.4569, 21.1287, 83.6822



22.5356, 21.1287, 117.0941

Sweetspot

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



34.3127, 21.1300, 2.2701



70.6021, 67.0462, 51.6033



38.3050, 19.0181, 34.7268



14.5265, 13.5370, 9.7503



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.



34.3127, 21.1300, 2.2701



44.1480, 27.0760, 2.8993



48.8047, 50.1139, 7.1008



14.7466, 15.1071, 15.0432



19.9074, 12.3890, 1.3421



1.5521, 1.0776, 0.1262

Inverse Universe

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



25.8908, 29.3759, 77.7038



33.2760, 37.6720, 100.1253



14.9651, 7.5245, 74.0619



14.4034, 15.5283, 18.3824



15.0611, 17.1843, 44.9063



1.1954, 1.4348, 3.3459

Previews

White Background



This preview shows how the XYZ color 34.3123, 21.1287, 2.2698 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 34.3123, 21.1287, 2.2698 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 34.3123, 21.1287, 2.2698

Background



This preview shows how black text looks on a background with the XYZ color 34.3123, 21.1287, 2.2698.



This preview shows how white text looks on a background with the XYZ color 34.3123, 21.1287,

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

34.3123, 21.1287, 2.2698

Protanopia

19.2223, 21.3482, 4.0272

Deuteranopia

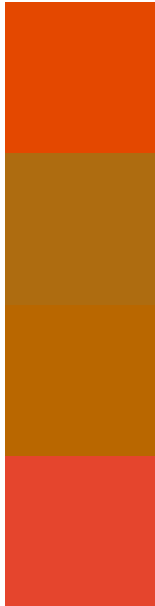
21.5353, 21.2518, 2.9670



Tritanopia

35.4257, 21.1145, 8.0027

Trichromacy



Original Color

34.3123, 21.1287, 2.2698

Protanomaly

22.9116, 19.7612, 3.0969

Deuteranomaly

24.8578, 20.0148, 2.5531

Tritanomaly

34.9149, 21.1037, 4.7158

Monochromacy



Original Color

34.3123, 21.1287, 2.2698

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.4252, 15.5802, 7.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3123, 21.1287, 2.2698 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(228, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 72, 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(228, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.3123, 21.1287, 2.2698 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(228, 72, 0) }
```


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

```
.border{ border-color:rgb(228, 72, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 72, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3123, 21.1287, 2.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 72, 0) }
```

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

```
.background{ background-color: rgb(228, 72,  
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