

Converting Colors

XYZ(33.4059, 20.9402, 2.2812)

Have a look what the booklet for
XYZ(33.4059, 20.9402, 2.2812)
contains.

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Color

**XYZ(33.5674, 21.0397,
2.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	E14B00
RGB	225, 75, 0
RGB Percent	88%, 29%, 0%
CMY	0.1177, 0.7058, 1.0000
CMYK	0.00, 0.67, 1.00, 0.12
HSL	20°, 100%, 44%
HSV	20°, 100%, 88%
XYZ	33.5674, 21.0397, 2.2919
YIQ	111.3000, 113.4750, 8.4750

Conversions

Conversions Part 2

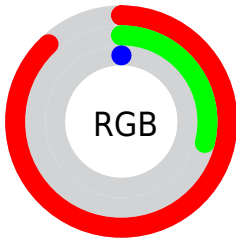
Format	Color
RYB	225, 113, 0
Decimal	14764800
CIELab	52.99, 56.04, 63.73
CIElCh	53, 84.867, 48.674
Yxy	21.0397, 0.5899, 0.3698
Android (android.graphics.Color)	4292954880 (0xFFE14B00)
YUV	111.3000, -54.8709, 99.7149
Hunter-Lab	45.8691, 50.3571, 29.1458

Details

The XYZ color **33.5674, 21.0397, 2.2919** 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 **24.4959, 27.2469, 75.2016**, and the grayscale version is **15.3295, 16.1278, 17.5632**.

A 20% lighter version of the original color is **50.0921, 37.5731, 9.1696**, and **14.7197, 7.6205, 0.6951** is the 20% darker color. If you saturate the color by 10%, you get **33.5676, 21.0405, 2.2920**, and if you desaturate by 10%, it is **34.8577, 23.3812, 3.4606**.

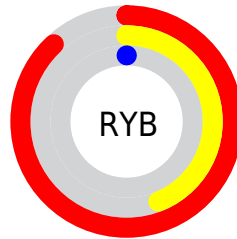
Distribution



Red (88%)

Green (29%)

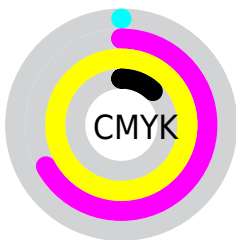
Blue (0%)



Red (88%)

Yellow (44%)

Blue (0%)

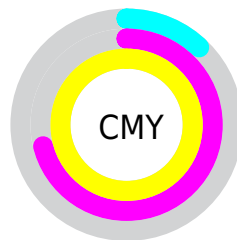


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5674, 21.0397, 2.2919 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 33.5674, 21.0397, 2.2919 by changing the saturation by 10% instead.


 33.5674, 21.0397,
2.2919


 33.5674, 21.0397,
2.2919


309.8187,
257.4894, 126.7564


 22.7228, 13.1530,
0.7267

 64.6091, 45.1536,
9.8245

 14.5085, 7.5340,
0.0000


 85.5370, 62.1496,
16.6479


 8.5592, 3.7982,
0.0000


 110.5566, 82.9509,
26.0675

 4.5096, 1.5614,
0.0000

 140.0333,
107.9417, 38.5017

 1.9943, 0.3313,
0.0000

 174.3326,
137.5066, 54.3692

 0.6308, 0.0000,
0.0000


 213.8196,


 0.0000, 0.0000,


172.0299, 74.0885


0.0000


 258.8599,
211.8961, 98.0780


 33.5674, 21.0397,
2.2919


 33.5674, 21.0397,
2.2919


 33.5676, 21.0405,
2.2920

 34.8577, 23.3812,
3.4606

 36.5772, 26.3018,
5.6320

 38.7968, 29.8535,
9.1074

 41.5617, 34.0756,
14.0605

 44.9112, 39.0032,
20.6382

■ 48.8806, 44.6690,
28.9689

■ 53.5022, 51.1034,
39.1685

■ 58.8057, 58.3348,
51.3425

■ 64.8189, 66.3903,
65.5887

Harmonies

Analogous

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



40.9971, 21.0397, 10.5226



33.5674, 21.0397, 2.2919



23.5519, 21.0397, 0.5700

Triad

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



33.5674, 21.0397, 2.2919



7.4697, 21.0397, 14.5654



25.9955, 21.0397, 107.8284

Complementary

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



33.5674, 21.0397, 2.2919



24.4959, 27.2469, 75.2016

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.



16.8202, 21.0397, 112.4610



33.5674, 21.0397, 2.2919



7.7681, 21.0397, 42.4672

Square

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



33.5674, 21.0397, 2.2919



9.6992, 21.0397, 3.3890



10.6888, 21.0397, 82.9811



35.8068, 21.0397, 72.9361

Rectangle

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



33.5674, 21.0397, 2.2919



17.5251, 21.0397, 0.5223



10.6888, 21.0397, 82.9811



22.6923, 21.0397, 113.6031

Sweetspot

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



33.5678, 21.0409, 2.2922



70.9196, 67.6814, 51.7091



36.5562, 18.2096, 30.4426



14.6005, 13.6848, 9.7750



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.



33.5678, 21.0409, 2.2922



44.4891, 27.7583, 3.0130



48.9277, 51.7606, 7.4122



14.0787, 14.4433, 14.3526



19.4395, 12.3169, 1.3528



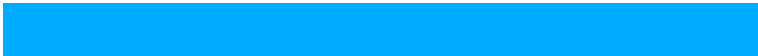
1.4278, 1.0145, 0.1206

Inverse Universe

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



24.4959, 27.2469, 75.2016



32.4232, 35.9664, 99.8411



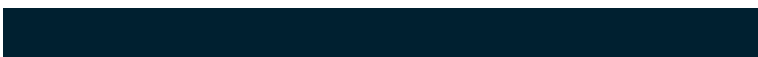
14.2679, 6.7909, 71.7923



13.7115, 14.7622, 17.5144



14.2272, 15.9239, 43.3721



1.0674, 1.2663, 3.0334

Previews

White Background



This preview shows how the XYZ color 33.5674, 21.0397, 2.2919 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 33.5674, 21.0397, 2.2919 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 33.5674, 21.0397, 2.2919

Background



This preview shows how black text looks on a background with the XYZ color 33.5674, 21.0397, 2.2919.



This preview shows how white text looks on a background with the XYZ color 33.5674, 21.0397,

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

33.5674, 21.0397, 2.2919

Protanopia

19.0819, 21.0843, 3.9281

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

34.7568, 21.0301, 8.5307

Trichromacy



Original Color

33.5674, 21.0397, 2.2919

Protanomaly

22.6824, 19.6439, 3.0481

Deuteranomaly

24.7175, 20.0910, 2.5752

Tritanomaly

34.1745, 21.0007, 4.8371

Monochromacy



Original Color

33.5674, 21.0397, 2.2919

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.4539, 15.8657, 8.0510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5674, 21.0397, 2.2919 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(225, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 75, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5674, 21.0397, 2.2919 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(225, 75, 0) }
```


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

```
.border{ border-color:rgb(225, 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(225, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 75, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5674, 21.0397, 2.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 75, 0) }
```

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

```
.background{ background-color: rgb(225, 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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