

Converting Colors

XYZ(33.9057, 21.9933, 2.4597)

Have a look what the booklet for
XYZ(33.9057, 21.9933, 2.4597)
contains.

XYZ(33.7578, 21.8819, 2.4444)	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(33.7578, 21.8819,
2.4444)**

Conversions

Conversions Part 1

Format	Color
Hex	E05200
RGB	224, 82, 0
RGB Percent	88%, 32%, 0%
CMY	0.1216, 0.6784, 1.0000
CMYK	0.00, 0.63, 1.00, 0.12
HSL	22°, 100%, 44%
HSV	22°, 100%, 88%
XYZ	33.7578, 21.8819, 2.4444
YIQ	115.1100, 110.9540, 4.6020

Conversions

Conversions Part 2

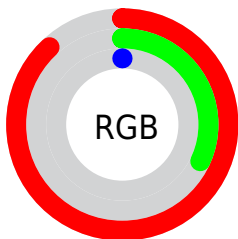
Format	Color
R_{YB}	224, 129, 0
Decimal	14701056
CIE _{Lab}	53.90, 52.79, 64.10
CIE _{LCh}	54, 83.041, 50.525
Yxy	21.8819, 0.5812, 0.3767
Android (android.graphics.Color)	4292891136 (0xFFE05200)
YUV	115.1100, -56.7492, 95.4965
Hunter-Lab	46.7781, 46.9543, 29.6465

Details

The XYZ color **33.7578, 21.8819, 2.4444** 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 **23.1267, 24.7261, 74.0742**, and the grayscale version is **16.4736, 17.3315, 18.8740**.

A 20% lighter version of the original color is **51.0829, 39.5102, 9.6365**, and **14.7654, 8.0099, 0.7678** is the 20% darker color. If you saturate the color by 10%, you get **33.7580, 21.8827, 2.4445**, and if you desaturate by 10%, it is **35.0909, 24.3105, 3.6226**.

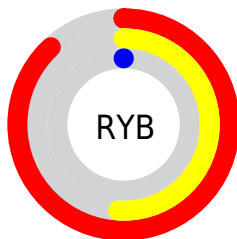
Distribution



Red (88%)

Green (32%)

Blue (0%)



Red (88%)

Yellow (51%)

Blue (0%)

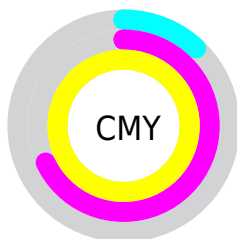


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7578, 21.8819, 2.4444 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 33.7578, 21.8819, 2.4444 by changing the saturation by 10% instead.


 33.7578, 21.8819,
2.4444


 33.7578, 21.8819,
2.4444


310.6557,
261.9289, 128.9351

 22.8696, 13.7701,
0.8105

 64.9036, 46.5507,
10.2236

 14.6174, 7.9610,
0.0000


 85.8920, 63.8766,
17.2140

 8.6359, 4.0700,
0.0000


 110.9778, 85.0426,
26.8296

 4.5597, 1.7128,
0.0000

 140.5264,
110.4332, 39.4889

 2.0234, 0.4319,
0.0000

 174.9031,
140.4327, 55.6107

 0.6470, 0.0000,
0.0000


 214.4733,


 0.0000, 0.0000,


175.4256, 75.6132


0.0000


 259.6024,
215.7962, 99.9152


 33.7578, 21.8819,
2.4444


 33.7578, 21.8819,
2.4444


 33.7580, 21.8827,
2.4445

 35.0909, 24.3105,
3.6226

 36.8302, 27.2752,
5.7864

 39.0435, 30.8228,
9.2339

 41.7735, 34.9879,
14.1364

 45.0573, 39.8014,
20.6381

■ 48.9279, 45.2923,
28.8658

■ 53.4155, 51.4872,
38.9333

■ 58.5482, 58.4113,
50.9447

■ 64.3520, 66.0886,
64.9961

Harmonies

Analogous

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



41.4172, 21.8819, 10.3935



33.7578, 21.8819, 2.4444



23.7591, 21.8819, 0.7708

Triad

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



33.7578, 21.8819, 2.4444



8.0295, 21.8819, 16.6035



27.4290, 21.8819, 106.1118

Complementary

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



33.7578, 21.8819, 2.4444



23.1267, 24.7261, 74.0742

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.



18.0939, 21.8819, 112.8962



33.7578, 21.8819, 2.4444



8.4926, 21.8819, 45.6012

Square

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



33.7578, 21.8819, 2.4444



10.1478, 21.8819, 4.2284



11.6694, 21.8819, 85.6451



37.0963, 21.8819, 70.8522

Rectangle

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



33.7578, 21.8819, 2.4444



17.8123, 21.8819, 0.7893



11.6694, 21.8819, 85.6451



24.1002, 21.8819, 112.4543

Sweetspot

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



33.7583, 21.8832, 2.4447



71.5197, 68.8815, 51.9091



35.8976, 17.9102, 28.5967



14.7405, 13.9648, 9.8216



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.



33.7583, 21.8832, 2.4447



45.1857, 29.1513, 3.2452



49.2405, 52.8476, 7.6055



14.1161, 14.5181, 14.3651



19.7501, 12.9381, 1.4564



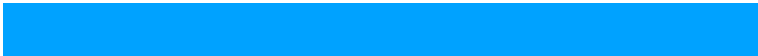
1.4523, 1.0635, 0.1287

Inverse Universe

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



23.1267, 24.7261, 74.0742



30.9077, 32.9354, 99.3359



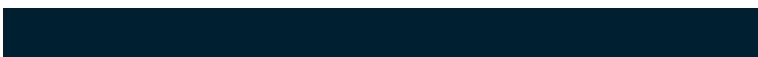
14.0153, 6.5033, 71.0371



13.6727, 14.6845, 17.5014



13.5745, 14.6185, 43.1546



1.0253, 1.1822, 3.0194

Previews

White Background



This preview shows how the XYZ color 33.7578, 21.8819, 2.4444 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 33.7578, 21.8819, 2.4444 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 33.7578, 21.8819, 2.4444

Background



This preview shows how black text looks on a background with the XYZ color 33.7578, 21.8819, 2.4444.



This preview shows how white text looks on a background with the XYZ color 33.7578, 21.8819,

2.4444.

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

33.7578, 21.8819, 2.4444

Protanopia

19.9913, 22.1381, 4.0300

Deuteranopia

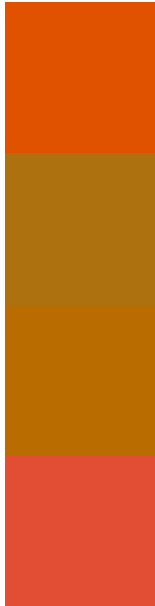
22.1872, 21.9524, 3.0679



Tritanopia

35.4337, 21.9317, 10.1503

Trichromacy



Original Color

33.7578, 21.8819, 2.4444

Protanomaly

23.4469, 20.8434, 3.2393

Deuteranomaly

25.3701, 21.0394, 2.7239

Tritanomaly

34.3956, 21.7043, 5.6253

Monochromacy



Original Color

33.7578, 21.8819, 2.4444

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.5704, 17.1501, 8.5822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7578, 21.8819, 2.4444 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(224, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 82, 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(224, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.7578, 21.8819, 2.4444 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(224, 82, 0) }
```


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

```
.border{ border-color:rgb(224, 82, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.7578, 21.8819, 2.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 82, 0) }
```

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

```
.background{ background-color: rgb(224, 82,  
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