

Converting Colors

XYZ(32.9020, 21.5994, 0.2561)

Have a look what the booklet for
XYZ(32.9020, 21.5994, 0.2561)
contains.

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Color

**XYZ(33.2175, 21.7161,
2.4409)**

Conversions

Conversions Part 1

Format	Color
Hex	DE5300
RGB	222, 83, 0
RGB Percent	87%, 33%, 0%
CMY	0.1294, 0.6745, 1.0000
CMYK	0.00, 0.63, 1.00, 0.13
HSL	22°, 100%, 44%
HSV	22°, 100%, 87%
XYZ	33.2175, 21.7161, 2.4409
YIQ	115.0990, 109.4870, 3.6550

Conversions

Conversions Part 2

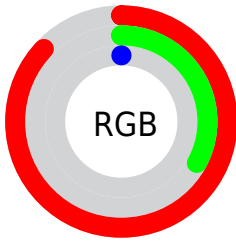
Format	Color
RYB	222, 133, 0
Decimal	14570240
CIELab	53.72, 51.66, 63.82
CIELCh	54, 82.106, 51.014
Yxy	21.7161, 0.5790, 0.3785
Android (android.graphics.Color)	4292760320 (0xFFDE5300)
YUV	115.0990, -56.7438, 93.7522
Hunter-Lab	46.6005, 45.6863, 29.5148

Details

The XYZ color **33.2175, 21.7161, 2.4409** 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 **22.4168, 23.7380, 72.5072**, and the grayscale version is **16.4705, 17.3282, 18.8704**.

A 20% lighter version of the original color is **51.0829, 39.5102, 9.6365**, and **14.4272, 7.9224, 0.7688** is the 20% darker color. If you saturate the color by 10%, you get **33.2177, 21.7168, 2.4410**, and if you desaturate by 10%, it is **34.5370, 24.1206, 3.6049**.

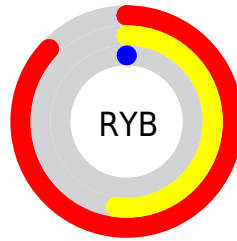
Distribution



Red (87%)

Green (33%)

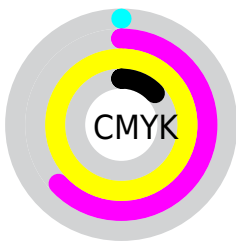
Blue (0%)



Red (87%)

Yellow (52%)

Blue (0%)

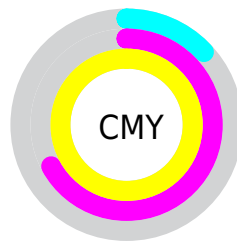


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2175, 21.7161, 2.4409 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 33.2175, 21.7161, 2.4409 by changing the saturation by 10% instead.

 33.2175, 21.7161,
2.4409


 33.2175, 21.7161,
2.4409


308.2763,
261.0601, 128.8859


 22.4531, 13.6484,
0.8086


 64.0674, 46.2763,
10.2145

 14.3087, 7.8766,
0.0000


 84.8836, 63.5377,
17.2011


 8.4188, 4.0161,
0.0000


 109.7811, 84.6324,
26.8123

 4.4181, 1.6826,
0.0000

 139.1254,
109.9448, 39.4666

 1.9413, 0.4123,
0.0000

 173.2817,
139.8595, 55.5825


 0.6007, 0.0000,
0.0000


 212.6153,


 0.0000, 0.0000,


174.7606, 75.5787


0.0000


 257.4918,
215.0327, 99.8736


 33.2175, 21.7161,
2.4409


 33.2175, 21.7161,
2.4409


 33.2177, 21.7168,
2.4410

 34.5370, 24.1206,
3.6049

 36.2498, 27.0413,
5.7319

 38.4219, 30.5232,
9.1148

 41.0947, 34.5989,
13.9207

 44.3040, 39.2983,
20.2906

■ 48.0818, 44.6486,
28.3485

■ 52.4573, 50.6753,
38.2054

■ 57.4575, 57.4024,
49.9632

■ 63.1076, 64.8527,
63.7157

Harmonies

Analogous

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



40.8021, 21.7161, 10.1793



33.2175, 21.7161, 2.4409



23.3971, 21.7161, 0.8061

Triad

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



33.2175, 21.7161, 2.4409



8.0346, 21.7161, 16.8564



27.3206, 21.7161, 103.8352

Complementary

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



33.2175, 21.7161, 2.4409



22.4168, 23.7380, 72.5072

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.



18.1094, 21.7161, 111.0421



33.2175, 21.7161, 2.4409



8.5337, 21.7161, 45.6214

Square

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



33.2175, 21.7161, 2.4409



10.0857, 21.7161, 4.3860



11.7221, 21.7161, 84.8357



36.7801, 21.7161, 69.0989

Rectangle

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



33.2175, 21.7161, 2.4409



17.5743, 21.7161, 0.8414



11.7221, 21.7161, 84.8357



24.0441, 21.7161, 110.2090

Sweetspot

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



33.2180, 21.7174, 2.4412



71.6641, 69.1702, 51.9573



34.9022, 17.4409, 26.5710



14.7742, 14.0323, 9.8329



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.



33.2180, 21.7174, 2.4412



45.3633, 29.5066, 3.3044



49.0617, 53.4048, 7.7225



14.1250, 14.5359, 14.3680



19.8290, 13.0959, 1.4827



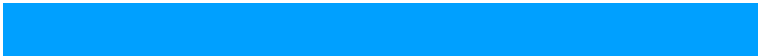
1.4584, 1.0757, 0.1308

Inverse Universe

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



22.4168, 23.7380, 72.5072



30.5612, 32.2424, 99.2204



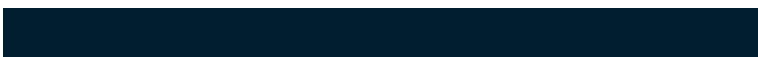
13.6391, 6.1826, 69.5813



13.6634, 14.6660, 17.4984



13.4250, 14.3195, 43.1047



1.0156, 1.1627, 3.0161

Previews

White Background



This preview shows how the XYZ color 33.2175, 21.7161, 2.4409 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 33.2175, 21.7161, 2.4409 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 33.2175, 21.7161, 2.4409

Background



This preview shows how black text looks on a background with the XYZ color 33.2175, 21.7161, 2.4409.



This preview shows how white text looks on a background with the XYZ color 33.2175, 21.7161,

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

33.2175, 21.7161, 2.4409

Protanopia

19.6721, 21.7782, 3.9258

Deuteranopia

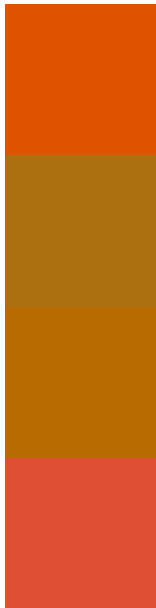
22.0638, 21.7056, 3.0267



Tritanopia

34.9173, 21.7642, 10.3432

Trichromacy



Original Color

33.2175, 21.7161, 2.4409

Protanomaly

23.1070, 20.5043, 3.1553

Deuteranomaly

25.1297, 20.9155, 2.7126

Tritanomaly

33.8472, 21.5279, 5.6202

Monochromacy



Original Color

33.2175, 21.7161, 2.4409

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.3793, 17.0516, 8.5732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2175, 21.7161, 2.4409 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(222, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 83, 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(222, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2175, 21.7161, 2.4409 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(222, 83, 0) }
```


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

```
.border{ border-color:rgb(222, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2175, 21.7161, 2.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 83, 0) }
```

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

```
.background{ background-color: rgb(222, 83,  
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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