

Converting Colors

XYZ(33.4934, 20.4279, 2.1777)

Have a look what the booklet for
XYZ(33.4934, 20.4279, 2.1777)
contains.

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Color

**XYZ(33.4922, 20.4250,
2.1772)**

Conversions

Conversions Part 1

Format	Color
Hex	E24500
RGB	226, 69, 0
RGB Percent	89%, 27%, 0%
CMY	0.1137, 0.7294, 1.0000
CMYK	0.00, 0.69, 1.00, 0.11
HSL	18°, 100%, 44%
HSV	18°, 100%, 89%
XYZ	33.4922, 20.4250, 2.1772
YIQ	108.0770, 115.7210, 11.8250

Conversions

Conversions Part 2

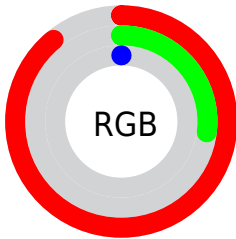
Format	Color
R_{YB}	226, 99, 0
Decimal	14828800
CIE Lab	52.31, 58.70, 63.50
CIE LCh	52, 86.475, 47.248
Yxy	20.4250, 0.5971, 0.3641
Android (android.graphics.Color)	4293018880 (0xFFE24500)
YUV	108.0770, -53.2820, 103.4185
Hunter-Lab	45.1940, 53.1925, 28.7796

Details

The XYZ color **33.4922, 20.4250, 2.1772** 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 **25.7831, 29.6023, 76.3060**, and the grayscale version is **14.3989, 15.1488, 16.4970**.

A 20% lighter version of the original color is **49.4159, 36.2642, 8.8101**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **33.4924, 20.4259, 2.1773**, and if you desaturate by 10%, it is **34.7402, 22.6803, 3.3367**.

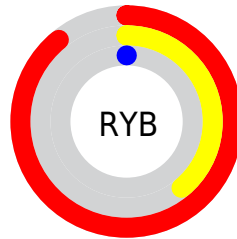
Distribution



Red (89%)

Green (27%)

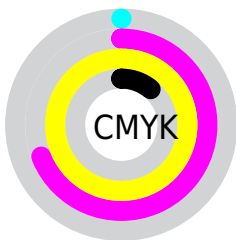
Blue (0%)



Red (89%)

Yellow (39%)

Blue (0%)

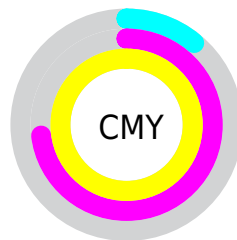


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4922, 20.4250, 2.1772 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 33.4922, 20.4250, 2.1772 by changing the saturation by 10% instead.


 33.4922, 20.4250,
2.1772


 33.4922, 20.4250,
2.1772


309.4877,
254.2067, 125.0704


 22.6648, 12.7044,
0.6612


 64.4928, 44.1286,
9.5198


 14.4655, 7.2253,
0.0000


 85.3966, 60.8803,
16.2142


 8.5290, 3.6034,
0.0000


 110.3901, 81.4112,
25.4819

 4.4899, 1.4543,
0.0000

 139.8384,
106.1056, 37.7415

 1.9829, 0.2562,
0.0000

 174.1070,
135.3480, 53.4117

 0.6243, 0.0000,
0.0000


 213.5611,


 0.0000, 0.0000,


169.5227, 72.9108


0.0000


 258.5663,
209.0141, 96.6575


 33.4922, 20.4250,
2.1772

 33.4922, 20.4250,
2.1772


 33.4924, 20.4259,
2.1773

 34.7402, 22.6803,
3.3367

 36.4379, 25.5527,
5.5149

 38.6591, 29.0993,
9.0166

 41.4517, 33.3640,
14.0183

 44.8573, 38.3863,
20.6689

■ 48.9133, 44.2024,
29.0990

■ 53.6539, 50.8463,
39.4261

■ 59.1106, 58.3497,
51.7575

■ 65.3129, 66.7426,
66.1924

Harmonies

Analogous

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



40.7576, 20.4250, 10.6476



33.4922, 20.4250, 2.1772



23.4387, 20.4250, 0.4093

Triad

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



33.4922, 20.4250, 2.1772



7.0535, 20.4250, 13.0847



24.9392, 20.4250, 109.4884

Complementary

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



33.4922, 20.4250, 2.1772



25.7831, 29.6023, 76.3060

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.



15.8775, 20.4250, 112.3921



33.4922, 20.4250, 2.1772



7.2318, 20.4250, 40.1547

Square

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



33.4922, 20.4250, 2.1772



9.3678, 20.4250, 2.8069



9.9637, 20.4250, 81.0841



34.8756, 20.4250, 74.8160

Rectangle

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



33.4922, 20.4250, 2.1772



17.3344, 20.4250, 0.3085



9.9637, 20.4250, 81.0841



21.6522, 20.4250, 114.8147

Sweetspot

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



33.4926, 20.4262, 2.1775



70.4137, 66.6694, 51.5405



37.5527, 18.6443, 34.0579



14.4827, 13.4494, 9.7357



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.



33.4926, 20.4262, 2.1775



43.9547, 26.6894, 2.8349



47.8471, 49.1352, 6.9623



14.0468, 14.3796, 14.3420



19.1996, 11.8372, 1.2729



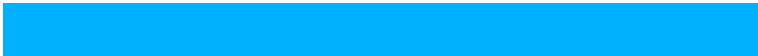
1.4082, 0.9752, 0.1140

Inverse Universe

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



25.7831, 29.6023, 76.3060



33.7991, 38.7183, 100.2997



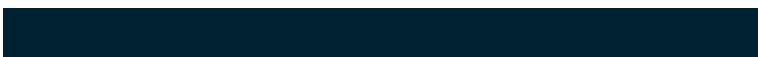
14.6736, 7.3833, 72.6028



13.7449, 14.8290, 17.5255



14.8186, 17.1068, 43.5693



1.1051, 1.3416, 3.0460

Previews

White Background



This preview shows how the XYZ color 33.4922, 20.4250, 2.1772 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 33.4922, 20.4250, 2.1772 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 33.4922, 20.4250, 2.1772

Background



This preview shows how black text looks on a background with the XYZ color 33.4922, 20.4250, 2.1772.



This preview shows how white text looks on a background with the XYZ color 33.4922, 20.4250,

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

33.4922, 20.4250, 2.1772

Protanopia

18.6208, 20.6546, 3.9250

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

34.5251, 20.4029, 7.4287

Trichromacy



Original Color

33.4922, 20.4250, 2.1772

Protanomaly

22.1584, 18.9112, 2.9726

Deuteranomaly

24.1821, 19.3746, 2.4651

Tritanomaly

34.0628, 20.4017, 4.4281

Monochromacy



Original Color

33.4922, 20.4250, 2.1772

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.8394, 15.0144, 7.5881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4922, 20.4250, 2.1772 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(226, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 69, 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(226, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.4922, 20.4250, 2.1772 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(226, 69, 0) }
```


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

```
.border{ border-color:rgb(226, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 69, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4922, 20.4250, 2.1772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 69, 0) }
```

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

```
.background{ background-color: rgb(226, 69,  
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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