

Converting Colors

XYZ(33.4801, 22.3096, 2.5416)

Have a look what the booklet for
XYZ(33.4801, 22.3096, 2.5416)
contains.

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Color

**XYZ(33.5324, 22.3460,
2.5459)**

Conversions

Conversions Part 1

Format	Color
Hex	DE5700
RGB	222, 87, 0
RGB Percent	87%, 34%, 0%
CMY	0.1294, 0.6588, 1.0000
CMYK	0.00, 0.61, 1.00, 0.13
HSL	24°, 100%, 44%
HSV	24°, 100%, 87%
XYZ	33.5324, 22.3460, 2.5459
YIQ	117.4470, 108.3870, 1.5630

Conversions

Conversions Part 2

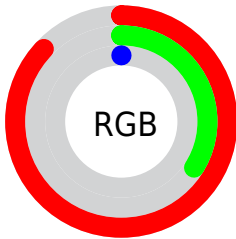
Format	Color
RYB	222, 143, 0
Decimal	14571264
CIELab	54.39, 49.89, 64.18
CIElCh	54, 81.284, 52.140
Yxy	22.3460, 0.5739, 0.3825
Android (android.graphics.Color)	4292761344 (0xFFDE5700)
YUV	117.4470, -57.9014, 91.6930
Hunter-Lab	47.2716, 43.8950, 29.8969

Details

The XYZ color **33.5324, 22.3460, 2.5459** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **21.8483, 22.6009, 72.3175**, and the grayscale version is **17.1995, 18.0952, 19.7057**.

A 20% lighter version of the original color is **51.6621, 40.6686, 9.8296**, and **14.5905, 8.2491, 0.8232** is the 20% darker color. If you saturate the color by 10%, you get **33.5325, 22.3467, 2.5460**, and if you desaturate by 10%, it is **34.8768, 24.8003, 3.7182**.

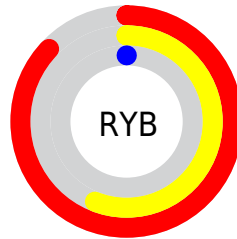
Distribution



Red (87%)

Green (34%)

Blue (0%)



Red (87%)

Yellow (56%)

Blue (0%)

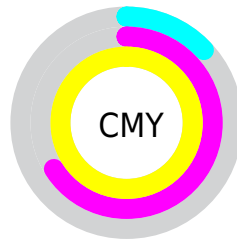


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5324, 22.3460, 2.5459 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 33.5324, 22.3460, 2.5459 by changing the saturation by 10% instead.


 33.5324, 22.3460,
2.5459


 33.5324, 22.3460,
2.5459


309.6647,
264.3479, 130.3485


 22.6958, 14.1114,
0.8643

 64.5550, 47.3172,
10.4857

 14.4885, 8.1982,
0.0000


 85.4717, 64.8225,
17.5844

 8.5452, 4.2220,
0.0000


 110.4791, 86.1869,
27.3271

 4.5004, 1.7985,
0.0000

 139.9426,
111.7947, 40.1323

 1.9890, 0.4862,
0.0000

 174.2276,
142.0303, 56.4184


 0.6278, 0.0000,
0.0000


 213.6993,


 0.0000, 0.0000,


177.2781, 76.6042


0.0000


 258.7233,
217.9225, 101.1080


 33.5324, 22.3460,
2.5459


 33.5324, 22.3460,
2.5459

 33.5325, 22.3467,
2.5460

 34.8768, 24.8003,
3.7182

 36.6044, 27.7507,
5.8502

 38.7803, 31.2400,
9.2344

 41.4448, 35.2991,
14.0375

 44.6328, 39.9558,
20.4004

■ 48.3754, 45.2358,
28.4466

■ 52.7011, 51.1630,
38.2870

■ 57.6363, 57.7600,
50.0231

■ 63.2054, 65.0482,
63.7487

Harmonies

Analogous

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



41.2984, 22.3460, 10.1659



33.5324, 22.3460, 2.5459



23.6600, 22.3460, 0.9270

Triad

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



33.5324, 22.3460, 2.5459



8.4202, 22.3460, 18.2394



28.3438, 22.3460, 103.5135

Complementary

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



33.5324, 22.3460, 2.5459



21.8483, 22.6009, 72.3175

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.



18.9894, 22.3460, 111.9937



33.5324, 22.3460, 2.5459



9.0269, 22.3460, 47.7970

Square

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



33.5324, 22.3460, 2.5459



10.4118, 22.3460, 4.9706



12.3910, 22.3460, 86.9344



37.7676, 22.3460, 68.3568

Rectangle

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



33.5324, 22.3460, 2.5459



17.8478, 22.3460, 1.0011



12.3910, 22.3460, 86.9344



25.0352, 22.3460, 110.2483

Sweetspot

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



33.5329, 22.3473, 2.5463



71.9997, 69.8414, 52.0691



34.6323, 17.3329, 25.1503



14.8527, 14.1893, 9.8591



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.



33.5329, 22.3473, 2.5463



45.7913, 30.3626, 3.4471



49.8865, 55.0544, 7.9974



14.1456, 14.5773, 14.3749



20.0187, 13.4753, 1.5459



1.4729, 1.1047, 0.1356

Inverse Universe

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



21.8483, 22.6009, 72.3175



29.7816, 30.6831, 98.9605



13.5521, 6.0085, 69.5521



13.6421, 14.6234, 17.4913



13.0884, 13.6464, 42.9925



0.9936, 1.1187, 3.0088

Previews

White Background



This preview shows how the XYZ color 33.5324, 22.3460, 2.5459 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 33.5324, 22.3460, 2.5459 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 33.5324, 22.3460, 2.5459

Background



This preview shows how black text looks on a background with the XYZ color 33.5324, 22.3460, 2.5459.



This preview shows how white text looks on a background with the XYZ color 33.5324, 22.3460,

2.5459.

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

33.5324, 22.3460, 2.5459

Protanopia

20.2937, 22.4936, 4.0312

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

35.3626, 22.4040, 11.2647

Trichromacy



Original Color

33.5324, 22.3460, 2.5459

Protanomaly

23.6656, 21.2918, 3.2779

Deuteranomaly

25.9341, 21.8080, 2.8425

Tritanomaly

34.2143, 22.1503, 6.0866

Monochromacy



Original Color

33.5324, 22.3460, 2.5459

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.9076, 17.7710, 8.8595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5324, 22.3460, 2.5459 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, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 87, 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, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 87, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5324, 22.3460, 2.5459 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, 87, 0) }
```


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

```
.border{ border-color:rgb(222, 87, 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, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5324, 22.3460, 2.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 87, 0) }
```

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

```
.background{ background-color: rgb(222, 87,  
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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