

Converting Colors

XYZ(32.3156, 22.2738, 2.5962)

Have a look what the booklet for
XYZ(32.3156, 22.2738, 2.5962)
contains.

| | |
|--|----|
| XYZ(32.3564, 22.2339, 2.5862) | 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(32.3564, 22.2339,
2.5862)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | D95B00 |
| RGB | 217, 91, 0 |
| RGB Percent | 85%, 36%, 0% |
| CMY | 0.1490, 0.6431, 1.0000 |
| CMYK | 0.00, 0.58, 1.00, 0.15 |
| HSL | 25°, 100%, 43% |
| HSV | 25°, 100%, 85% |
| XYZ | 32.3564, 22.2339, 2.5862 |
| YIQ | 118.3000, 104.3070, -1.5890 |

Conversions

Conversions Part 2

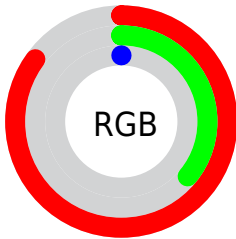
| Format | Color |
|-------------------------------------|--|
| RYB | 217, 157, 0 |
| Decimal | 14244608 |
| CIELab | 54.27, 46.22, 63.67 |
| CIELCh | 54, 78.677, 54.026 |
| Yxy | 22.2339, 0.5659, 0.3889 |
| Android (android.graphics.Color) | 4292434688 (0xFFD95B00) |
| YUV | 118.3000, -58.3219, 86.5599 |
| Hunter-Lab | 47.1528, 39.9697, 29.7551 |

Details

The XYZ color **32.3564, 22.2339, 2.5862** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **19.9847, 19.9305, 68.4389**, and the grayscale version is **17.4696, 18.3794, 20.0151**.

A 20% lighter version of the original color is **52.1387, 41.5767, 10.1276**, and **13.9880, 8.1932, 0.8442** is the 20% darker color. If you saturate the color by 10%, you get **32.3566, 22.2347, 2.5863**, and if you desaturate by 10%, it is **33.6680, 24.6302, 3.7238**.

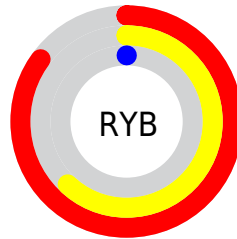
Distribution



Red (85%)

Green (36%)

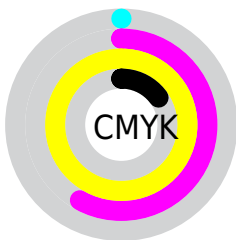
Blue (0%)



Red (85%)

Yellow (62%)

Blue (0%)

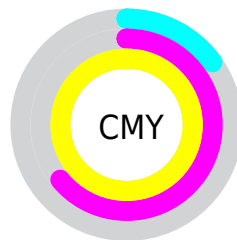


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3564, 22.2339, 2.5862 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 32.3564, 22.2339, 2.5862 by changing the saturation by 10% instead.


 32.3564, 22.2339,
2.5862


 32.3564, 22.2339,
2.5862


304.4561,
263.7653, 130.9020


 21.7907, 14.0289,
0.8853


 62.7308, 47.1323,
10.5891

 13.8190, 8.1407,
0.0000


 83.2703, 64.5944,
17.7302

 8.0757, 4.1851,
0.0000


 107.8651, 85.9110,
27.5227

 4.1956, 1.7777,
0.0000

 136.8805,
111.4666, 40.3848

 1.8134, 0.4732,
0.0000

 170.6820,
141.6453, 56.7353

 0.5257, 0.0000,
0.0000


 209.6348,


 0.0000, 0.0000,


176.8318, 76.9927


0.0000


 254.1044,
217.4103, 101.5754


 32.3564, 22.2339,
2.5862


 32.3564, 22.2339,
2.5862


 32.3566, 22.2347,
2.5863

 33.6680, 24.6302,
3.7238

 35.3279, 27.4675,
5.7644

 37.3970, 30.7840,
8.9878

 39.9122, 34.6062,
13.5511

 42.9052, 38.9580,
19.5869

■ 46.4045, 43.8616,
27.2115

■ 50.4358, 49.3375,
36.5296

■ 55.0230, 55.4052,
47.6367

■ 60.1886, 62.0830,
60.6213

Harmonies

Analogous

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



40.0230, 22.2339, 9.6366



32.3564, 22.2339, 2.5862



22.8931, 22.2339, 1.0756

Triad

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



32.3564, 22.2339, 2.5862



8.6216, 22.2339, 19.6252



28.5713, 22.2339, 97.8798

Complementary

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



32.3564, 22.2339, 2.5862



19.9847, 19.9305, 68.4389

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.



19.4648, 22.2339, 107.9253



32.3564, 22.2339, 2.5862



9.3784, 22.2339, 48.9345

Square

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



32.3564, 22.2339, 2.5862



10.4112, 22.2339, 5.7297



12.8606, 22.2339, 85.9447



37.4567, 22.2339, 63.8214

Rectangle

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



32.3564, 22.2339, 2.5862



17.3876, 22.2339, 1.2264



12.8606, 22.2339, 85.9447



25.3802, 22.2339, 104.8400

Sweetspot

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



32.3569, 22.2352, 2.5866



72.5169, 70.8759, 52.2415



32.4189, 16.2732, 21.3695



14.9739, 14.4318, 9.8995



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.



32.3569, 22.2352, 2.5866



46.4916, 31.7633, 3.6805



49.0193, 55.5601, 8.1407



13.5025, 13.9444, 13.7055



19.6864, 13.6583, 1.5987



1.3593, 1.0528, 0.1316

Inverse Universe

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



19.9847, 19.9305, 68.4389



28.6490, 28.4181, 98.5830



12.7421, 5.4452, 66.0247



12.9635, 13.8668, 16.6454



12.2042, 12.2779, 41.4650



0.8751, 0.9644, 2.7145

Previews

White Background



This preview shows how the XYZ color 32.3564, 22.2339, 2.5862 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 32.3564, 22.2339, 2.5862 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 32.3564, 22.2339, 2.5862

Background



This preview shows how black text looks on a background with the XYZ color 32.3564, 22.2339, 2.5862.



This preview shows how white text looks on a background with the XYZ color 32.3564, 22.2339,

2.5862.

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

32.3564, 22.2339, 2.5862

Protanopia

20.2843, 22.4898, 3.9813

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

34.3074, 22.2953, 12.1681

Trichromacy



Original Color

32.3564, 22.2339, 2.5862

Protanomaly

23.3313, 21.2905, 3.2606

Deuteranomaly

25.5613, 21.7787, 2.8565

Tritanomaly

33.0602, 22.0172, 6.3782

Monochromacy



Original Color

32.3564, 22.2339, 2.5862

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.9590, 18.1031, 9.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3564, 22.2339, 2.5862 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(217, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 91, 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(217, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 91, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3564, 22.2339, 2.5862 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(217, 91, 0) }
```


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

```
.border{ border-color:rgb(217, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3564, 22.2339, 2.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 91, 0) }
```

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

```
.background{ background-color: rgb(217, 91,  
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