

Converting Colors

XYZ(32.3844, 22.0986, 1.8596)

Have a look what the booklet for
XYZ(32.3844, 22.0986, 1.8596)
contains.

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Color

**XYZ(32.5696, 22.2178,
2.5718)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5A00
RGB	218, 90, 0
RGB Percent	85%, 35%, 0%
CMY	0.1451, 0.6470, 1.0000
CMYK	0.00, 0.59, 1.00, 0.15
HSL	25°, 100%, 43%
HSV	25°, 100%, 85%
XYZ	32.5696, 22.2178, 2.5718
YIQ	118.0120, 105.1780, -0.8540

Conversions

Conversions Part 2

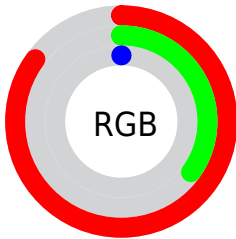
Format	Color
RYB	218, 153, 0
Decimal	14309888
CIELab	54.26, 47.05, 63.75
CIELCh	54, 79.234, 53.569
Yxy	22.2178, 0.5678, 0.3873
Android (android.graphics.Color)	4292499968 (0xFFDA5A00)
YUV	118.0120, -58.1799, 87.6895
Hunter-Lab	47.1358, 40.8513, 29.7601

Details

The XYZ color **32.5696, 22.2178, 2.5718** 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 **20.3731, 20.4986, 69.2119**, and the grayscale version is **17.3782, 18.2832, 19.9104**.

A 20% lighter version of the original color is **52.1387, 41.5767, 10.1276**, and **14.1484, 8.2303, 0.8429** is the 20% darker color. If you saturate the color by 10%, you get **32.5699, 22.2188, 2.5720**, and if you desaturate by 10%, it is **33.8872, 24.6248, 3.7161**.

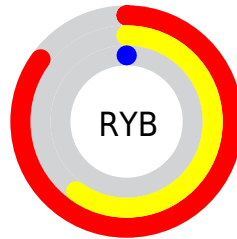
Distribution



Red (85%)

Green (35%)

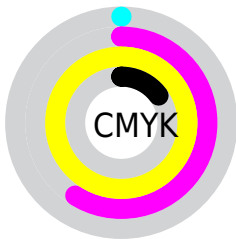
Blue (0%)



Red (85%)

Yellow (60%)

Blue (0%)

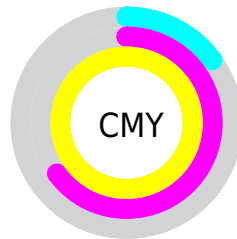


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5696, 22.2178, 2.5718 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 32.5696, 22.2178, 2.5718 by changing the saturation by 10% instead.

32.5696, 22.2178,
2.5718

32.5696, 22.2178,
2.5718

305.4052,
263.6816, 130.7047

21.9546, 14.0170,
0.8778

63.0622, 47.1057,
10.5522

13.9400, 8.1325,
0.0000

83.6704, 64.5616,
17.6782

8.1603, 4.1799,
0.0000

108.3405, 85.8714,
27.4529

4.2504, 1.7747,
0.0000

137.4377,
111.4194, 40.2948

1.8447, 0.4713,
0.0000

171.3275,
141.5900, 56.6223


0.5444, 0.0000,
0.0000


210.3750,


0.0000, 0.0000,


176.7676, 76.8542


0.0000


 254.9459,
217.3367, 101.4088


 32.5696, 22.2178,
2.5718


 32.5696, 22.2178,
2.5718


 32.5699, 22.2188,
2.5720

 33.8872, 24.6248,
3.7161

 35.5605, 27.4845,
5.7747

 37.6513, 30.8362,
9.0299

 40.1970, 34.7071,
13.6408

 43.2300, 39.1222,
19.7416

■ 46.7793, 44.1043,
27.4500

■ 50.8714, 49.6746,
36.8720

■ 55.5305, 55.8532,
48.1043

■ 60.7796, 62.6592,
61.2362

Harmonies

Analogous

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



40.2450, 22.2178, 9.7417



32.5696, 22.2178, 2.5718



23.0289, 22.2178, 1.0373

Triad

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



32.5696, 22.2178, 2.5718



8.5574, 22.2178, 19.2542



28.4627, 22.2178, 99.0030

Complementary

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



32.5696, 22.2178, 2.5718



20.3731, 20.4986, 69.2119

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.



19.3146, 22.2178, 108.6692



32.5696, 22.2178, 2.5718



9.2767, 22.2178, 48.5702

Square

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



32.5696, 22.2178, 2.5718



10.3915, 22.2178, 5.5330



12.7241, 22.2178, 86.0123



37.4580, 22.2178, 64.7513

Rectangle

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



32.5696, 22.2178, 2.5718



17.4623, 22.2178, 1.1681



12.7241, 22.2178, 86.0123



25.2498, 22.2178, 105.8991

Sweetspot

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



32.5701, 22.2191, 2.5722



72.3938, 70.6297, 52.2005



32.9964, 16.5386, 22.8551



14.9451, 14.3741, 9.8898



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.



32.5701, 22.2191, 2.5722



46.3205, 31.4210, 3.6235



48.6981, 54.4752, 7.9482



13.4954, 13.9302, 13.7031



19.6133, 13.5122, 1.5744



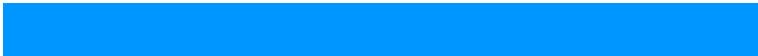
1.3543, 1.0426, 0.1299

Inverse Universe

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



20.3731, 20.4986, 69.2119



28.9111, 28.9423, 98.6704



12.9380, 5.6282, 66.7335



12.9708, 13.8813, 16.6479



12.3140, 12.4975, 41.5016



0.8819, 0.9780, 2.7167

Previews

White Background



This preview shows how the XYZ color 32.5696, 22.2178, 2.5718 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 32.5696, 22.2178, 2.5718 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 32.5696, 22.2178, 2.5718

Background



This preview shows how black text looks on a background with the XYZ color 32.5696, 22.2178, 2.5718.



This preview shows how white text looks on a background with the XYZ color 32.5696, 22.2178,

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

32.5696, 22.2178, 2.5718

Protanopia

20.2843, 22.4898, 3.9813

Deuteranopia

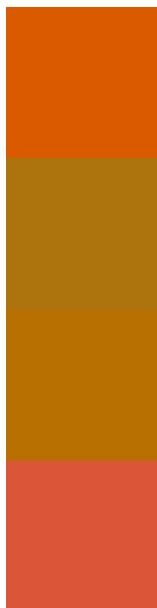
22.7247, 22.4146, 3.1287



Tritanopia

34.4887, 22.2776, 11.9334

Trichromacy



Original Color

32.5696, 22.2178, 2.5718

Protanomaly

23.5516, 21.4041, 3.2709

Deuteranomaly

25.5613, 21.7787, 2.8565

Tritanomaly

33.2797, 22.0111, 6.3654

Monochromacy



Original Color

32.5696, 22.2178, 2.5718

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 32.5696, 22.2178, 2.5718 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(218, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 90, 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(218, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.5696, 22.2178, 2.5718 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(218, 90, 0) }
```


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

```
.border{ border-color:rgb(218, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.5696, 22.2178, 2.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 90, 0) }
```

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

```
.background{ background-color: rgb(218, 90,  
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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