

Converting Colors

XYZ(32.5418, 22.7150, 2.6693)

Have a look what the booklet for
XYZ(32.5418, 22.7150, 2.6693)
contains.

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Color

**XYZ(32.6180, 22.7571,
2.6734)**

Conversions

Conversions Part 1

Format	Color
Hex	D95E00
RGB	217, 94, 0
RGB Percent	85%, 37%, 0%
CMY	0.1490, 0.6313, 1.0000
CMYK	0.00, 0.57, 1.00, 0.15
HSL	26°, 100%, 43%
HSV	26°, 100%, 85%
XYZ	32.6180, 22.7571, 2.6734
YIQ	120.0610, 103.4820, -3.1580

Conversions

Conversions Part 2

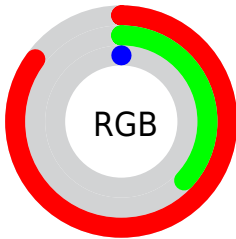
Format	Color
R _Y B	217, 166, 0
Decimal	14245376
CIE Lab	54.82, 44.80, 63.98
CIE LCh	55, 78.100, 55.000
Yxy	22.7571, 0.5619, 0.3920
Android (android.graphics.Color)	4292435456 (0xFFD95E00)
YUV	120.0610, -59.1901, 85.0155
Hunter-Lab	47.7044, 38.5671, 30.0704

Details

The XYZ color **32.6180, 22.7571, 2.6734** 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 **19.6070, 19.1749, 68.3129**, and the grayscale version is **18.0335, 18.9726, 20.6612**.

A 20% lighter version of the original color is **52.5991, 42.4976, 10.2811**, and **14.1194, 8.4559, 0.8880** is the 20% darker color. If you saturate the color by 10%, you get **32.6182, 22.7579, 2.6735**, and if you desaturate by 10%, it is **33.9428, 25.1799, 3.8155**.

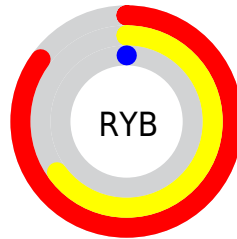
Distribution



Red (85%)

Green (37%)

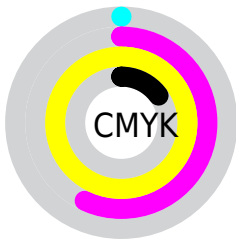
Blue (0%)



Red (85%)

Yellow (65%)

Blue (0%)

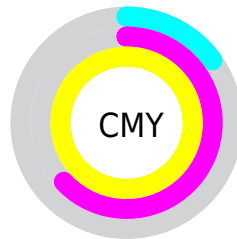


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6180, 22.7571, 2.6734 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 32.6180, 22.7571, 2.6734 by changing the saturation by 10% instead.

 32.6180, 22.7571,
2.6734

 32.6180, 22.7571,
2.6734


305.6204,
266.4749, 132.0856


 21.9918, 14.4143,
0.9300


 63.1374, 47.9942,
10.8113

 13.9674, 8.4093,
0.0000


 83.7612, 65.6572,
18.0433


 8.1796, 4.3580,
0.0000


 108.4483, 87.1957,
27.9420

 4.2628, 1.8758,
0.0000

 137.5641,
112.9942, 40.9260

 1.8519, 0.5337,
0.0000

 171.4738,
143.4369, 57.4138


 0.5486, 0.0000,
0.0000


 210.5429,


 0.0000, 0.0000,


178.9084, 77.8240


0.0000


 255.1366,
219.7929, 102.5751


 32.6180, 22.7571,
2.6734


 32.6180, 22.7571,
2.6734


 32.6182, 22.7579,
2.6735

 33.9428, 25.1799,
3.8155

 35.6087, 28.0292,
5.8581

 37.6759, 31.3419,
9.0808

 40.1808, 35.1432,
13.6407

 43.1544, 39.4562,
19.6700

■ 46.6247, 44.3019,
27.2850

■ 50.6170, 49.7000,
36.5901

■ 55.1549, 55.6689,
47.6808

■ 60.2602, 62.2262,
60.6453

Harmonies

Analogous

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



40.4347, 22.7571, 9.6270



32.6180, 22.7571, 2.6734



23.1094, 22.7571, 1.1835

Triad

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



32.6180, 22.7571, 2.6734



8.9485, 22.7571, 20.8614



29.4321, 22.7571, 97.6761

Complementary

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



32.6180, 22.7571, 2.6734



19.6070, 19.1749, 68.3129

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.



20.2150, 22.7571, 108.7337



32.6180, 22.7571, 2.6734



9.8029, 22.7571, 50.7935

Square

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



32.6180, 22.7571, 2.6734



10.6816, 22.7571, 6.2888



13.4366, 22.7571, 87.6960



38.2785, 22.7571, 63.2783

Rectangle

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



32.6180, 22.7571, 2.6734



17.6113, 22.7571, 1.3832



13.4366, 22.7571, 87.6960



26.2176, 22.7571, 104.9217

Sweetspot

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



32.6185, 22.7584, 2.6738



72.7798, 71.4016, 52.3292



32.4189, 16.2732, 21.3696



15.0357, 14.5553, 9.9201



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.



32.6185, 22.7584, 2.6738



46.8664, 32.5128, 3.8055



49.0193, 55.5601, 8.1407



13.5177, 13.9747, 13.7105



19.8462, 13.9780, 1.6520



1.3703, 1.0748, 0.1352

Inverse Universe

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



19.6070, 19.1749, 68.3129



28.1042, 27.3285, 98.4014



12.7421, 5.4452, 66.0247



12.9481, 13.8359, 16.6403



11.9758, 11.8210, 41.3889



0.8609, 0.9360, 2.7097

Previews

White Background



This preview shows how the XYZ color 32.6180, 22.7571, 2.6734 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 32.6180, 22.7571, 2.6734 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 32.6180, 22.7571, 2.6734

Background



This preview shows how black text looks on a background with the XYZ color 32.6180, 22.7571, 2.6734.



This preview shows how white text looks on a background with the XYZ color 32.6180, 22.7571,

2.6734.

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

32.6180, 22.7571, 2.6734

Protanopia

20.7810, 22.9462, 4.0433

Deuteranopia

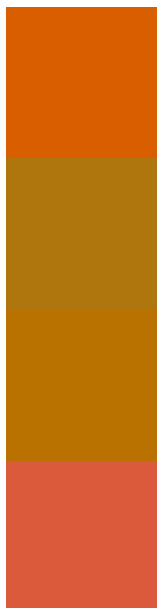
23.0595, 22.7742, 3.1805



Tritanopia

34.5974, 22.6668, 12.9076

Trichromacy



Original Color

32.6180, 22.7571, 2.6734

Protanomaly

24.0066, 21.9846, 3.3589

Deuteranomaly

26.0249, 22.3489, 2.9421

Tritanomaly

33.3590, 22.5335, 6.7289

Monochromacy



Original Color

32.6180, 22.7571, 2.6734

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.5065, 18.8592, 9.3969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6180, 22.7571, 2.6734 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, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 94, 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, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.6180, 22.7571, 2.6734 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, 94, 0) }
```


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

```
.border{ border-color:rgb(217, 94, 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, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.6180, 22.7571, 2.6734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 94, 0) }
```

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

```
.background{ background-color: rgb(217, 94,  
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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