

Converting Colors

XYZ(30.9323, 22.6995, 2.8356)

Have a look what the booklet for
XYZ(30.9323, 22.6995, 2.8356)
contains.

XYZ(30.8681, 22.6762, 2.8362)	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(30.8681, 22.6762,
2.8362)**

Conversions

Conversions Part 1

Format	Color
Hex	D16403
RGB	209, 100, 3
RGB Percent	82%, 39%, 1%
CMY	0.1804, 0.6078, 0.9882
CMYK	0.00, 0.52, 0.99, 0.18
HSL	28°, 97%, 42%
HSV	28°, 99%, 82%
XYZ	30.8681, 22.6762, 2.8362
YIQ	121.5330, 96.1010, -7.0590

Conversions

Conversions Part 2

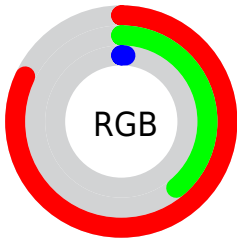
Format	Color
R_{YB}	209, 186, 3
Decimal	13722627
CIE _{Lab}	54.74, 38.78, 62.67
CIE _{LCh}	55, 73.703, 58.251
Yxy	22.6762, 0.5475, 0.4022
Android (android.graphics.Color)	4291912707 (0xFFD16403)
YUV	121.5330, -58.4368, 76.7086
Hunter-Lab	47.6195, 32.3737, 29.8024

Details

The XYZ color **30.8681, 22.6762, 2.8362** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.3403, 16.2110, 62.5362**, and the grayscale version is **18.5097, 19.4737, 21.2068**.

A 20% lighter version of the original color is **53.6146, 44.4358, 10.9054**, and **13.1309, 8.3997, 0.9292** is the 20% darker color. If you saturate the color by 10%, you get **30.7010, 22.3686, 2.6995**, and if you desaturate by 10%, it is **32.1497, 25.0039, 3.9908**.

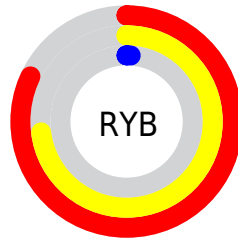
Distribution



Red (82%)

Green (39%)

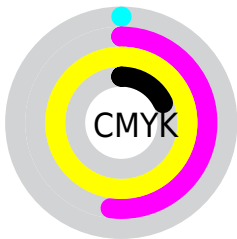
Blue (1%)



Red (82%)

Yellow (73%)

Blue (1%)

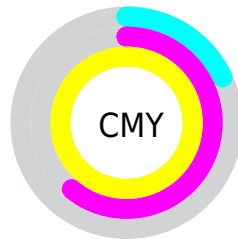


Cyan (0%)

Magenta (52%)

Yellow (99%)

Black (18%)



Cyan (18%)

Magenta (61%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8681, 22.6762, 2.8362 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 30.8681, 22.6762, 2.8362 by changing the saturation by 10% instead.

■ 30.8681, 22.6762,
2.8362

■ 30.8681, 22.6762,
2.8362

297.7679,
266.0575, 134.2463

■ 20.6498, 14.3546,
1.0116

■ 60.4096, 47.8611,
11.2215

■ 12.9792, 8.3677,
0.0000

■ 80.4635, 65.4932,
18.6193

■ 7.4911, 4.3311,
0.0000

■ 104.5266, 86.9976,
28.7119

■ 3.8202, 1.8605,
0.0000

■ 132.9643,
112.7586, 41.9179

■ 1.6009, 0.5244,
0.0000

■ 166.1419,
143.1607, 58.6558

■ 0.3930, 0.0000,
0.0000

■ 204.4248,

■ 0.0000, 0.0000,

178.5883, 79.3441

0.0000

248.1784,
219.4258, 104.4014

30.8681, 22.6762,
2.8362

30.8681, 22.6762,
2.8362

30.7010, 22.3686,
2.6995

32.1497, 25.0039,
3.9908

33.7389, 27.6926,
6.0301

35.6815, 30.7700,
9.1676

38.0082, 34.2563,
13.5417

40.7460, 38.1696,
19.2700

■ 43.9186, 42.5268,
26.4564

■ 47.5479, 47.3435,
35.1944

■ 51.6541, 52.6344,
45.5697

■ 56.2560, 58.4136,
57.6615

Harmonies

Analogous

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



38.4611, 22.6762, 8.9856



30.8681, 22.6762, 2.8362



22.0337, 22.6762, 1.5328

Triad

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



30.8681, 22.6762, 2.8362



9.4011, 22.6762, 23.3491



29.8299, 22.6762, 88.8369

Complementary

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



30.8681, 22.6762, 2.8362



17.3403, 16.2110, 62.5362

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.



21.0794, 22.6762, 101.9002



30.8681, 22.6762, 2.8362



10.5085, 22.6762, 52.5166

Square

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



30.8681, 22.6762, 2.8362



10.8069, 22.6762, 7.8323



14.3303, 22.6762, 85.6668



37.7633, 22.6762, 56.5292

Rectangle

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



30.8681, 22.6762, 2.8362



17.0194, 22.6762, 1.9099



14.3303, 22.6762, 85.6668



26.8279, 22.6762, 96.2673

Sweetspot

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



30.8686, 22.6775, 2.8366



73.5054, 72.8528, 52.5710



29.3002, 14.8098, 16.8986



15.2064, 14.8967, 9.9770



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.



30.8686, 22.6775, 2.8366



47.9658, 34.7115, 4.1719



47.4625, 55.8652, 8.3679



12.2612, 12.7131, 12.4197



19.0265, 13.9860, 1.6968



1.1430, 0.9403, 0.1213

Inverse Universe

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



17.3403, 16.2110, 62.5362



26.7032, 24.5264, 97.9344



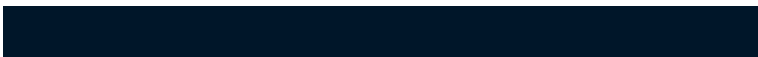
11.6533, 4.8372, 60.6406



11.6740, 12.4383, 15.0292



10.6723, 9.9913, 38.5585



0.6758, 0.7169, 2.1823

Previews

White Background



This preview shows how the XYZ color 30.8681, 22.6762, 2.8362 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 30.8681, 22.6762, 2.8362 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 30.8681, 22.6762, 2.8362

Background



This preview shows how black text looks on a background with the XYZ color 30.8681, 22.6762, 2.8362.



This preview shows how white text looks on a background with the XYZ color 30.8681, 22.6762,

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

30.8681, 22.6762, 2.8362

Protanopia

20.5815, 22.8454, 3.9409

Deuteranopia

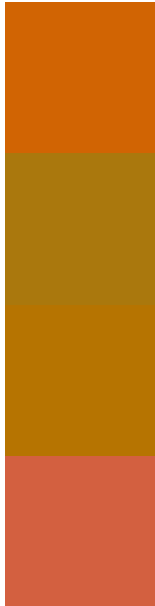
23.0595, 22.7742, 3.1805



Tritanopia

33.3179, 22.7266, 14.4350

Trichromacy



Original Color

30.8681, 22.6762, 2.8362

Protanomaly

23.3667, 22.0080, 3.3972

Deuteranomaly

25.5423, 22.4381, 3.0135

Tritanomaly

31.9723, 22.5848, 7.5247

Monochromacy



Original Color

30.8681, 22.6762, 2.8362

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.7550, 19.4692, 10.0612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8681, 22.6762, 2.8362 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(209, 100, 3)` looks like.

```
.text, #text, p{  
    color:rgb(209, 100, 3)  
}
```

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(209, 100, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 100, 3) }
```

Border

The CSS property to change the border of an element to XYZ 30.8681, 22.6762, 2.8362 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(209, 100, 3) }
```


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

```
.border{ border-color:rgb(209, 100, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 100, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 100, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 100, 3);  
box-shadow:4px 4px 4px 4px rgb(209, 100,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8681, 22.6762, 2.8362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 100, 3) }
```

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

```
.background{ background-color: rgb(209,  
100, 3) }
```

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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