

Converting Colors

XYZ(31.8969, 23.4149, 3.5551)

Have a look what the booklet for
XYZ(31.8969, 23.4149, 3.5551)
contains.

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Color

**XYZ(32.0381, 23.5539,
3.5672)**

Conversions

Conversions Part 1

Format	Color
Hex	D46615
RGB	212, 102, 21
RGB Percent	83%, 40%, 8%
CMY	0.1686, 0.6000, 0.9176
CMYK	0.00, 0.52, 0.90, 0.17
HSL	25°, 82%, 46%
HSV	25°, 90%, 83%
XYZ	32.0381, 23.5539, 3.5672
YIQ	125.6560, 91.5610, -1.8710

Conversions

Conversions Part 2

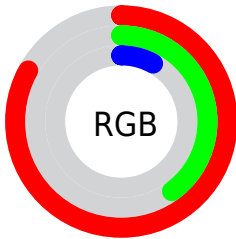
Format	Color
R _Y B	212, 162, 21
Decimal	13919765
CIE Lab	55.64, 39.19, 59.52
CIE LCh	56, 71.261, 56.639
Yxy	23.5539, 0.5416, 0.3981
Android (android.graphics.Color)	4292109845 (0xFFD46615)
YUV	125.6560, -51.5954, 75.7237
Hunter-Lab	48.5324, 32.9032, 29.6147

Details

The XYZ color **32.0381, 23.5539, 3.5672** 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 **20.3086, 21.1443, 65.2978**, and the grayscale version is **19.8630, 20.8974, 22.7573**.

A 20% lighter version of the original color is **54.2659, 45.2245, 12.7066**, and **13.7615, 8.8517, 0.9832** is the 20% darker color. If you saturate the color by 10%, you get **30.7999, 21.2944, 2.4869**, and if you desaturate by 10%, it is **33.6144, 26.2489, 5.5045**.

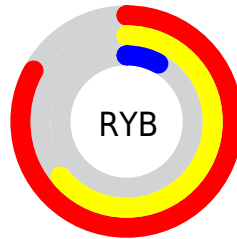
Distribution



Red (83%)

Green (40%)

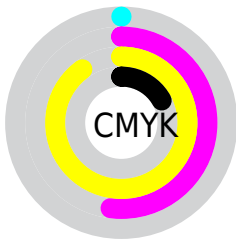
Blue (8%)



Red (83%)

Yellow (64%)

Blue (8%)

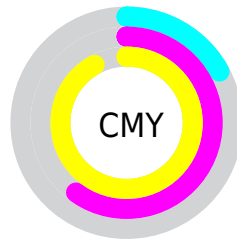


Cyan (0%)

Magenta (52%)

Yellow (90%)

Black (17%)



Cyan (17%)


Magenta (60%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0381, 23.5539, 3.5672 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 32.0381, 23.5539, 3.5672 by changing the saturation by 10% instead.


 32.0381, 23.5539,
3.5672


 32.0381, 23.5539,
3.5672

303.0350,
270.5573, 143.2860


 21.5463, 15.0030,
1.3910


 62.2356, 49.3012,
12.9986

 13.6386, 8.8215,
0.1347


 82.6720, 67.2665,
21.0910

 7.9498, 4.6249,
0.0000

 107.1540, 89.1387,
31.9924

 4.1144, 2.0289,
0.0000

 136.0469,
115.3022, 46.1216

 1.7670, 0.6242,
0.0000

 169.7161,
146.1414, 63.8970

 0.4977, 0.0000,
0.0000

 208.5269,

 0.0000, 0.0000,

182.0408, 85.7372

0.0000

252.8448,
223.3846, 112.0607

32.0381, 23.5539,
3.5672

32.0381, 23.5539,
3.5672

30.7999, 21.2944,
2.4869

33.6144, 26.2489,
5.5045

35.5749, 29.3908,
8.5599

37.9547, 33.0057,
12.8821

40.7836, 37.1159,
18.5965

44.0883, 41.7417,
25.8128

■ 47.8931, 46.9026,
34.6300

■ 52.2203, 52.6164,
45.1382

■ 57.0910, 58.9002,
57.4210

■ 62.5249, 65.7704,
71.5563

Harmonies

Analogous

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



39.2958, 23.5539, 10.4481



32.0381, 23.5539, 3.5672



23.3084, 23.5539, 1.9556

Triad

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



32.0381, 23.5539, 3.5672



10.2054, 23.5539, 23.1307



30.0805, 23.5539, 89.3026

Complementary

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



32.0381, 23.5539, 3.5672



20.3086, 21.1443, 65.2978

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.



21.4908, 23.5539, 100.3809



32.0381, 23.5539, 3.5672



11.1944, 23.5539, 51.1410

Square

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



32.0381, 23.5539, 3.5672



11.7768, 23.5539, 8.1615



14.8998, 23.5539, 83.4559



37.9883, 23.5539, 58.6202

Rectangle

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



32.0381, 23.5539, 3.5672



18.2360, 23.5539, 2.2939



14.8998, 23.5539, 83.4559



27.1251, 23.5539, 96.0192

Sweetspot

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



32.0386, 23.5552, 3.5676



74.5086, 73.5909, 56.8155



31.6129, 16.2108, 23.4427



15.4858, 15.1351, 11.0579



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.



32.0386, 23.5552, 3.5676



46.6183, 32.0165, 3.7228



47.0452, 53.5684, 8.5698



12.8519, 13.2779, 13.0462



19.1091, 13.3355, 1.5668



1.2336, 0.9664, 0.1215

Inverse Universe

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



20.3086, 21.1443, 65.2978



28.4606, 28.0412, 98.5202



12.8520, 6.2310, 62.8122



12.3305, 13.1844, 15.8325



11.7407, 11.7432, 40.1010



0.7894, 0.8708, 2.4458

Previews

White Background



This preview shows how the XYZ color 32.0381, 23.5539, 3.5672 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 32.0381, 23.5539, 3.5672 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 32.0381, 23.5539, 3.5672

Background



This preview shows how black text looks on a background with the XYZ color 32.0381, 23.5539, 3.5672.



This preview shows how white text looks on a background with the XYZ color 32.0381, 23.5539,

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

32.0381, 23.5539, 3.5672

Protanopia

21.5219, 23.7232, 4.6730

Deuteranopia

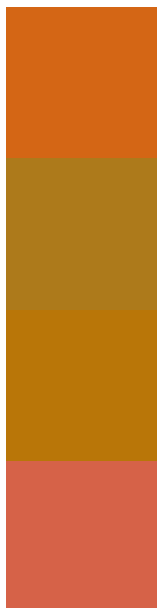
23.9516, 23.6138, 3.2955



Tritanopia

34.4655, 23.5711, 15.0451

Trichromacy



Original Color

32.0381, 23.5539, 3.5672

Protanomaly

24.3909, 22.8824, 4.1681

Deuteranomaly

26.5298, 23.2887, 3.3266

Tritanomaly

33.2689, 23.4994, 8.9133

Monochromacy



Original Color

32.0381, 23.5539, 3.5672

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.0274, 20.5953, 12.0468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0381, 23.5539, 3.5672 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(212, 102, 21)` looks like.

```
.text, #text, p{  
    color:rgb(212, 102, 21)  
}
```

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(212, 102, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 102, 21) }
```

Border

The CSS property to change the border of an element to XYZ 32.0381, 23.5539, 3.5672 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(212, 102, 21) }
```


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

```
.border{ border-color:rgb(212, 102, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 102, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 102, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 102, 21);  
box-shadow:4px 4px 4px 4px rgb(212, 102,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0381, 23.5539, 3.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 102, 21) }
```

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

```
.background{ background-color: rgb(212,  
102, 21) }
```

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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