

Converting Colors

XYZ(28.5015, 23.0776, 3.1653)

Have a look what the booklet for
XYZ(28.5015, 23.0776, 3.1653)
contains.

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Color

**XYZ(28.4877, 23.1200,
3.1621)**

Conversions

Conversions Part 1

Format	Color
Hex	C46F07
RGB	196, 111, 7
RGB Percent	77%, 44%, 3%
CMY	0.2314, 0.5647, 0.9725
CMYK	0.00, 0.43, 0.96, 0.23
HSL	33°, 93%, 40%
HSV	33°, 96%, 77%
XYZ	28.4877, 23.1200, 3.1621
YIQ	124.5590, 84.0440, -14.3240

Conversions

Conversions Part 2

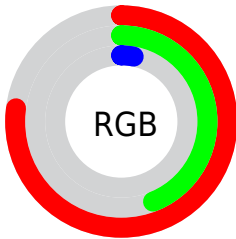
Format	Color
RYB	161, 196, 7
Decimal	12873479
CIELab	55.20, 27.74, 61.28
CIELCh	55, 67.260, 65.647
Yxy	23.1200, 0.5201, 0.4221
Android (android.graphics.Color)	4291063559 (0xFFC46F07)
YUV	124.5590, -57.9566, 62.6538
Hunter-Lab	48.0833, 21.6095, 29.7592

Details

The XYZ color **28.4877, 23.1200, 3.1621** 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 **13.8784, 11.6846, 53.7479**, and the grayscale version is **19.5143, 20.5305, 22.3577**.

A 20% lighter version of the original color is **55.4114, 47.8841, 11.9523**, and **11.8760, 8.6795, 1.0494** is the 20% darker color. If you saturate the color by 10%, you get **28.1121, 22.4304, 2.8478**, and if you desaturate by 10%, it is **29.6529, 25.2028, 4.3149**.

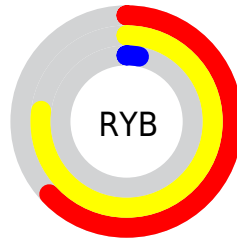
Distribution



Red (77%)

Green (44%)

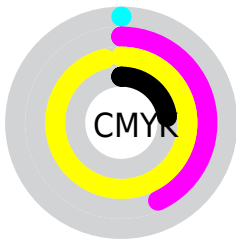
Blue (3%)



Red (63%)

Yellow (77%)

Blue (3%)

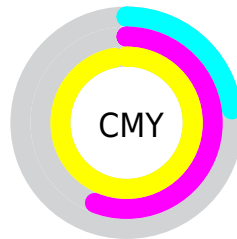


Cyan (0%)

Magenta (43%)

Yellow (96%)

Black (23%)



Cyan (23%)

Magenta (56%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4877, 23.1200, 3.1621 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 28.4877, 23.1200, 3.1621 by changing the saturation by 10% instead.


 28.4877, 23.1200,
3.1621


 28.4877, 23.1200,
3.1621


286.8280,
268.3407, 138.3992


 18.8359, 14.6821,
1.1780


 56.6654, 48.5903,
12.0259

 11.6551, 8.5966,
0.0000


 75.9220, 66.3915,
19.7426

 6.5798, 4.4790,
0.0000


 99.1109, 88.0826,
30.2073

 3.2447, 1.9450,
0.0000

 126.5975,
114.0481, 43.8385

 1.2845, 0.5752,
0.0000

 158.7472,
144.6722, 61.0548


 0.1715, 0.0000,
0.0000


 195.9253,

 0.0000, 0.0000,


180.3394, 82.2746


0.0000


 238.4971,
221.4341, 107.9165


 28.4877, 23.1200,
3.1621


 28.4877, 23.1200,
3.1621


 28.1121, 22.4304,
2.8478

 29.6529, 25.2028,
4.3149

 31.0641, 27.5390,
6.2843

 32.7520, 30.1460,
9.2167

 34.7401, 33.0371,
13.2247

 37.0490, 36.2243,
18.4051

■ 39.6973, 39.7185,
24.8440

■ 42.7017, 43.5302,
32.6191

■ 46.0779, 47.6688,
41.8019

■ 49.8402, 52.1436,
52.4586

Harmonies

Analogous

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



35.9319, 23.1200, 7.9386



28.4877, 23.1200, 3.1621



20.5835, 23.1200, 2.3669

Triad

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



28.4877, 23.1200, 3.1621



10.5041, 23.1200, 29.4693



31.5171, 23.1200, 75.9963

Complementary

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



28.4877, 23.1200, 3.1621



13.8784, 11.6846, 53.7479

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.



23.4276, 23.1200, 92.8902



28.4877, 23.1200, 3.1621



12.2003, 23.1200, 57.8115

Square

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



28.4877, 23.1200, 3.1621



11.2649, 23.1200, 11.6752



16.5390, 23.1200, 84.8233



37.9417, 23.1200, 46.3832

Rectangle

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



28.4877, 23.1200, 3.1621



16.2954, 23.1200, 3.2622



16.5390, 23.1200, 84.8233



28.8409, 23.1200, 83.9383

Sweetspot

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



28.4882, 23.1212, 3.1625



75.6389, 76.7048, 54.5619



24.7748, 12.6613, 11.2753



15.6864, 15.7787, 10.3772



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.



28.4882, 23.1212, 3.1625



50.6654, 40.1108, 5.0718



40.1615, 50.0028, 7.7359



10.5223, 10.9760, 10.6259



18.1505, 14.5867, 1.8589



0.8523, 0.7663, 0.1030

Inverse Universe

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



13.8784, 11.6846, 53.7479



24.1439, 19.4078, 97.0813



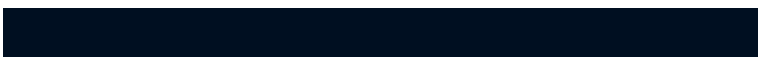
10.2613, 4.2518, 52.5038



9.8929, 10.4772, 12.7857



8.7355, 7.2275, 34.4913



0.4461, 0.4497, 1.5132

Previews

White Background



This preview shows how the XYZ color 28.4877, 23.1200, 3.1621 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 28.4877, 23.1200, 3.1621 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 28.4877, 23.1200, 3.1621

Background



This preview shows how black text looks on a background with the XYZ color 28.4877, 23.1200, 3.1621.



This preview shows how white text looks on a background with the XYZ color 28.4877, 23.1200,

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

28.4877, 23.1200, 3.1621

Protanopia

21.0664, 23.2996, 3.9173

Deuteranopia

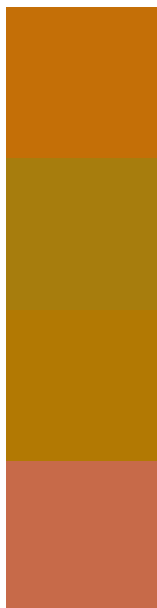
23.6093, 23.2465, 3.2427



Tritanopia

31.5389, 23.1276, 17.8407

Trichromacy



Original Color

28.4877, 23.1200, 3.1621

Protanomaly

23.3426, 22.9118, 3.5729

Deuteranomaly

25.2139, 23.1463, 3.2249

Tritanomaly

29.9098, 22.9312, 9.1531

Monochromacy



Original Color

28.4877, 23.1200, 3.1621

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.0020, 20.6214, 10.8561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4877, 23.1200, 3.1621 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(196, 111, 7)` looks like.

```
.text, #text, p{  
    color:rgb(196, 111, 7)  
}
```

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(196, 111, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 111, 7) }
```

Border

The CSS property to change the border of an element to XYZ 28.4877, 23.1200, 3.1621 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(196, 111, 7) }
```


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

```
.border{ border-color:rgb(196, 111, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 111, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 111, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 111, 7);  
box-shadow:4px 4px 4px 4px rgb(196, 111,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4877, 23.1200, 3.1621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 111, 7) }
```

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

```
.background{ background-color: rgb(196,  
111, 7) }
```

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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