

Converting Colors

XYZ(28.1285, 23.6011, 3.1017)

Have a look what the booklet for
XYZ(28.1285, 23.6011, 3.1017)
contains.

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Color

**XYZ(28.1285, 23.6011,
3.1017)**

Conversions

Conversions Part 1

Format	Color
Hex	C17301
RGB	193, 115, 1
RGB Percent	76%, 45%, 0%
CMY	0.2431, 0.5490, 0.9960
CMYK	0.00, 0.40, 0.99, 0.24
HSL	36°, 99%, 38%
HSV	36°, 99%, 76%
XYZ	28.1285, 23.6011, 3.1017
YIQ	125.3260, 83.0820, -18.9180

Conversions

Conversions Part 2

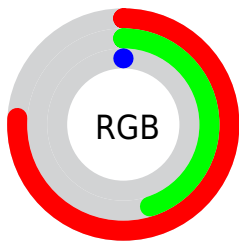
Format	Color
R_{YB}	132, 193, 1
Decimal	12677889
CIE _{Lab}	55.69, 24.21, 62.52
CIE _{LCh}	56, 67.039, 68.831
Yxy	23.6011, 0.5130, 0.4304
Android (android.graphics.Color)	4290867969 (0xFFC17301)
YUV	125.3260, -61.2927, 59.3501
Hunter-Lab	48.5810, 18.3353, 30.2212

Details

The XYZ color **28.1285, 23.6011, 3.1017** 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 **12.4343, 9.4490, 51.6201**, and the grayscale version is **19.7848, 20.8151, 22.6677**.

A 20% lighter version of the original color is **56.0718, 49.3027, 11.8713**, and **11.6211, 8.8830, 1.1021** is the 20% darker color. If you saturate the color by 10%, you get **28.0768, 23.5068, 3.0575**, and if you desaturate by 10%, it is **29.1850, 25.5167, 4.0633**.

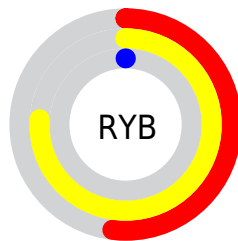
Distribution



Red (76%)

Green (45%)

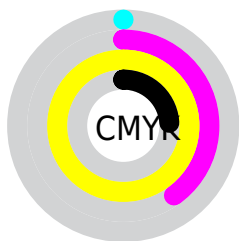
Blue (0%)



Red (52%)

Yellow (76%)

Blue (0%)

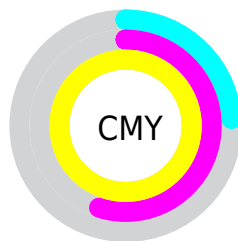


Cyan (0%)

Magenta (40%)

Yellow (99%)

Black (24%)



Cyan (24%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1285, 23.6011, 3.1017 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 28.1285, 23.6011, 3.1017 by changing the saturation by 10% instead.

 28.1285, 23.6011,
3.1017


 28.1285, 23.6011,
3.1017


285.1494,
270.7975, 137.6456


 18.5635, 15.0380,
1.1468


 56.0967, 49.3785,
11.8784

 11.4574, 8.8460,
0.0000


 75.2307, 67.3615,
19.5372


 6.4449, 4.6409,
0.0000


 98.2850, 89.2533,
29.9345

 3.1607, 2.0381,
0.0000

 125.6250,
115.4383, 43.4887

 1.2393, 0.6295,
0.0000

 157.6161,
146.3008, 60.6183


 0.1371, 0.0000,
0.0000


 194.6236,


 0.0000, 0.0000,


182.2252, 81.7420


0.0000


 237.0129,
223.5960, 107.2782


 28.1285, 23.6011,
3.1017


 28.1285, 23.6011,
3.1017


 28.0768, 23.5068,
3.0575

 29.1850, 25.5167,
4.0633

 30.4427, 27.6364,
5.7026

 31.9434, 29.9807,
8.2285

 33.7103, 32.5615,
11.7553

 35.7634, 35.3897,
16.3800

■ 38.1205, 38.4747,
22.1879

■ 40.7975, 41.8255,
29.2559

■ 43.8093, 45.4505,
37.6543

■ 47.1695, 49.3574,
47.4482

Harmonies

Analogous

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



35.8366, 23.6011, 7.3845



28.1285, 23.6011, 3.1017



20.2644, 23.6011, 2.5676

Triad

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



28.1285, 23.6011, 3.1017



10.8766, 23.6011, 32.6668



32.8891, 23.6011, 73.9731

Complementary

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



28.1285, 23.6011, 3.1017



12.4343, 9.4490, 51.6201

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.



24.7492, 23.6011, 93.1195



28.1285, 23.6011, 3.1017



12.8723, 23.6011, 61.8452

Square

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



28.1285, 23.6011, 3.1017



11.3856, 23.6011, 13.3621



17.5619, 23.6011, 87.7394



38.9880, 23.6011, 43.9483

Rectangle

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



28.1285, 23.6011, 3.1017



16.1022, 23.6011, 3.7150



17.5619, 23.6011, 87.7394



30.2354, 23.6011, 82.4926

Sweetspot

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



28.1290, 23.6023, 3.1021



72.5671, 74.2932, 51.0367



23.4884, 11.9534, 8.8548



15.1210, 15.3830, 9.7555



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1290, 23.6023, 3.1021



50.0384, 41.6052, 5.3933



37.2068, 47.4889, 7.2342



10.5592, 11.0498, 10.6382



18.7548, 15.7953, 2.0603



0.8766, 0.8150, 0.1111

Inverse Universe

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



12.4343, 9.4490, 51.6201



21.9438, 16.3042, 92.3508



9.8678, 3.9914, 50.7019



9.8567, 10.4048, 12.7736



8.3076, 6.3716, 34.3486



0.4266, 0.4106, 1.5066

Previews

White Background



This preview shows how the XYZ color 28.1285, 23.6011, 3.1017 looks on a white background.

Color Contrast Check

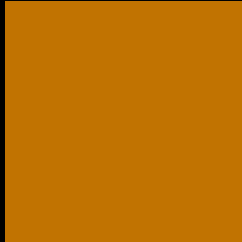
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1285, 23.6011, 3.1017 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 28.1285, 23.6011, 3.1017

Background



This preview shows how black text looks on a background with the XYZ color 28.1285, 23.6011, 3.1017.



This preview shows how white text looks on a background with the XYZ color 28.1285, 23.6011,

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

28.1285, 23.6011, 3.1017

Protanopia

21.3738, 23.6640, 3.8930

Deuteranopia

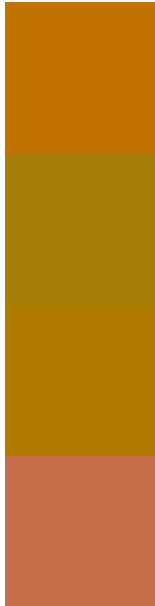
23.9516, 23.6138, 3.2955



Tritanopia

31.3782, 23.6235, 19.1256

Trichromacy



Original Color

28.1285, 23.6011, 3.1017

Protanomaly

23.3700, 23.3076, 3.5543

Deuteranomaly

25.4431, 23.6309, 3.2202

Tritanomaly

29.5769, 23.3820, 9.4329

Monochromacy



Original Color

28.1285, 23.6011, 3.1017

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.8630, 20.7380, 10.4926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1285, 23.6011, 3.1017 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(193, 115, 1)` looks like.

```
.text, #text, p{  
    color:rgb(193, 115, 1)  
}
```

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(193, 115, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 115, 1) }
```

Border

The CSS property to change the border of an element to XYZ 28.1285, 23.6011, 3.1017 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(193, 115, 1) }
```


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

```
.border{ border-color:rgb(193, 115, 1) }
```

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

Here you see how a box with a 4 pixel rgb(193, 115, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 115, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 115, 1);  
box-shadow:4px 4px 4px 4px rgb(193, 115,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1285, 23.6011, 3.1017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 115, 1) }
```

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

```
.background{ background-color: rgb(193,  
115, 1) }
```

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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