

Converting Colors

XYZ(28.3459, 19.7256, 2.3134)

Have a look what the booklet for
XYZ(28.3459, 19.7256, 2.3134)
contains.

XYZ(28.3100, 19.6538, 2.3015)	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(28.3100, 19.6538,
2.3015)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5700
RGB	204, 87, 0
RGB Percent	80%, 34%, 0%
CMY	0.2000, 0.6588, 1.0000
CMYK	0.00, 0.57, 1.00, 0.20
HSL	26°, 100%, 40%
HSV	26°, 100%, 80%
XYZ	28.3100, 19.6538, 2.3015
YIQ	112.0650, 97.6590, -2.2530

Conversions

Conversions Part 2

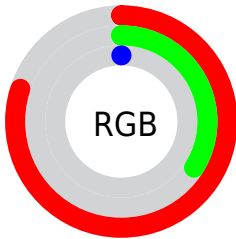
Format	Color
RYB	204, 152, 0
Decimal	13391616
CIELab	51.44, 43.21, 60.98
CIElCh	51, 74.741, 54.680
Yxy	19.6538, 0.5632, 0.3910
Android (android.graphics.Color)	4291581696 (0xFFCC5700)
YUV	112.0650, -55.2480, 80.6270
Hunter-Lab	44.3326, 36.4048, 27.9548

Details

The XYZ color **28.3100, 19.6538, 2.3015** 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 **17.2600, 17.0815, 59.5134**, and the grayscale version is **15.5583, 16.3685, 17.8253**.

A 20% lighter version of the original color is **51.4876, 40.3640, 9.6348**, and **11.7274, 6.8948, 0.7127** is the 20% darker color. If you saturate the color by 10%, you get **28.3101, 19.6544, 2.3016**, and if you desaturate by 10%, it is **29.4656, 21.7575, 3.3275**.

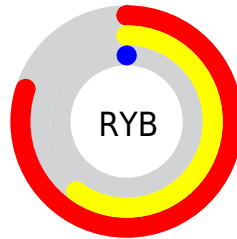
Distribution



Red (80%)

Green (34%)

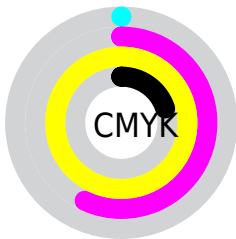
Blue (0%)



Red (80%)

Yellow (60%)

Blue (0%)

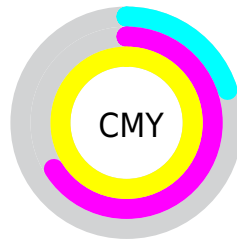


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3100, 19.6538, 2.3015 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 28.3100, 19.6538, 2.3015 by changing the saturation by 10% instead.


 28.3100, 19.6538,
2.3015


 28.3100, 19.6538,
2.3015


285.9985,
250.0347, 126.8956


 18.7011, 12.1436,
0.7321


 56.3842, 42.8360,
9.8498


 11.5572, 6.8416,
0.0000


 75.5802, 59.2768,
16.6839


 6.5130, 3.3632,
0.0000


 98.7026, 79.4633,
26.1160

 3.2030, 1.3242,
0.0000

 126.1168,
103.7799, 38.5647

 1.2620, 0.1598,
0.0000

 158.1882,
132.6109, 54.4484

 0.1545, 0.0000,
0.0000


 195.2820,


 0.0000, 0.0000,


166.3408, 74.1858


0.0000


 237.7637,
205.3539, 98.1953


 28.3100, 19.6538,
2.3015


 28.3100, 19.6538,
2.3015


 28.3101, 19.6544,
2.3016

 29.4656, 21.7575,
3.3275

 30.9183, 24.2358,
5.1285

 32.7220, 27.1215,
7.9543

 34.9078, 30.4370,
11.9392

 37.5029, 34.2022,
17.1968

■ 40.5312, 38.4357,
23.8269

■ 44.0148, 43.1547,
31.9191

■ 47.9741, 48.3756,
41.5556

■ 52.4281, 54.1138,
52.8123

Harmonies

Analogous

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



35.0692, 19.6538, 8.3804



28.3100, 19.6538, 2.3015



20.0484, 19.6538, 0.9985

Triad

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



28.3100, 19.6538, 2.3015



7.6933, 19.6538, 17.7970



25.3654, 19.6538, 85.0565

Complementary

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



28.3100, 19.6538, 2.3015



17.2600, 17.0815, 59.5134

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.



17.3760, 19.6538, 94.3901



28.3100, 19.6538, 2.3015



8.4086, 19.6538, 43.6670

Square

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



28.3100, 19.6538, 2.3015



9.2179, 19.6538, 5.3101



11.5271, 19.6538, 75.8126



33.0751, 19.6538, 55.2199

Rectangle

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



28.3100, 19.6538, 2.3015



15.2618, 19.6538, 1.1579



11.5271, 19.6538, 75.8126



22.5747, 19.6538, 91.2804

Sweetspot

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



28.3104, 19.6549, 2.3018



72.6520, 71.1461, 52.2866



28.2315, 14.1693, 18.7003



15.0057, 14.4952, 9.9100



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.



28.3104, 19.6549, 2.3018



46.6827, 32.1454, 3.7442



42.6718, 48.3777, 7.0889



11.5991, 11.9872, 11.7819



17.9072, 12.5473, 1.4781



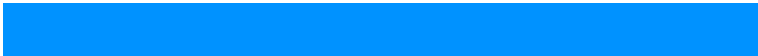
0.9985, 0.7968, 0.1012

Inverse Universe

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



17.2600, 17.0815, 59.5134



28.3665, 27.8530, 98.4888



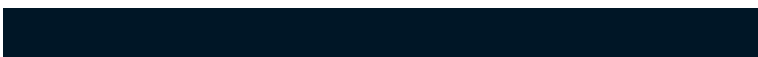
11.0996, 4.7607, 57.4600



11.1269, 11.8943, 14.2797



10.9575, 10.9389, 37.4902



0.6396, 0.7130, 1.9588

Previews

White Background



This preview shows how the XYZ color 28.3100, 19.6538, 2.3015 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 28.3100, 19.6538, 2.3015 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 28.3100, 19.6538, 2.3015

Background



This preview shows how black text looks on a background with the XYZ color 28.3100, 19.6538, 2.3015.



This preview shows how white text looks on a background with the XYZ color 28.3100, 19.6538,

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

28.3100, 19.6538, 2.3015

Protanopia

17.9727, 19.9513, 3.5198

Deuteranopia

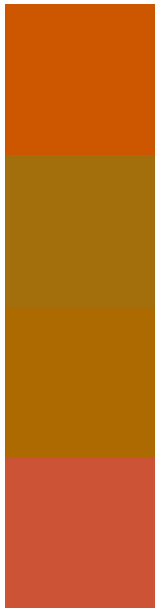
20.0716, 19.7905, 2.7621



Tritanopia

30.0757, 19.6786, 11.0173

Trichromacy



Original Color

28.3100, 19.6538, 2.3015

Protanomaly

20.8551, 19.1820, 2.9511

Deuteranomaly

22.3876, 19.1923, 2.5245

Tritanomaly

28.9597, 19.4415, 5.8407

Monochromacy



Original Color

28.3100, 19.6538, 2.3015

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.6646, 16.1752, 8.1523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3100, 19.6538, 2.3015 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(204, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 87, 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(204, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 87, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.3100, 19.6538, 2.3015 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(204, 87, 0) }
```


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

```
.border{ border-color:rgb(204, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.3100, 19.6538, 2.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 87, 0) }
```

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

```
.background{ background-color: rgb(204, 87,  
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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