

Converting Colors

XYZ(28.8958, 17.6362, 3.1414)

Have a look what the booklet for
XYZ(28.8958, 17.6362, 3.1414)
contains.

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Color

**XYZ(28.9886, 17.7232,
3.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	D3411E
RGB	211, 65, 30
RGB Percent	83%, 25%, 12%
CMY	0.1726, 0.7451, 0.8824
CMYK	0.00, 0.69, 0.86, 0.17
HSL	12°, 75%, 47%
HSV	12°, 86%, 83%
XYZ	28.9886, 17.7232, 3.1213
YIQ	104.6640, 98.2510, 20.0670

Conversions

Conversions Part 2

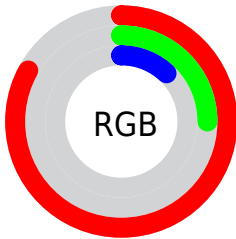
Format	Color
RYB	211, 73, 30
Decimal	13844766
CIELab	49.16, 55.71, 51.13
CIElCh	49, 75.616, 42.548
Yxy	17.7232, 0.5817, 0.3557
Android (android.graphics.Color)	4292034846 (0xFFD3411E)
YUV	104.6640, -36.8094, 93.2567
Hunter-Lab	42.0989, 49.2389, 25.0734

Details

The XYZ color **28.9886, 17.7232, 3.1213** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.8166, 36.0259, 67.1152**, and the grayscale version is **13.4151, 14.1137, 15.3698**.

A 20% lighter version of the original color is **49.4887, 35.4993, 11.6408**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **27.9691, 15.9815, 1.8662**, and if you desaturate by 10%, it is **30.4830, 20.1276, 5.4220**.

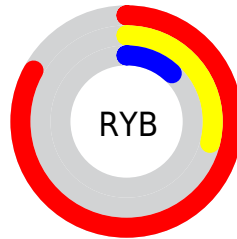
Distribution



Red (83%)

Green (25%)

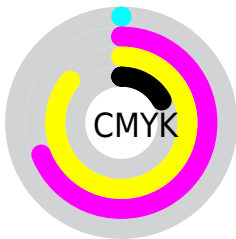
Blue (12%)



Red (83%)

Yellow (29%)

Blue (12%)

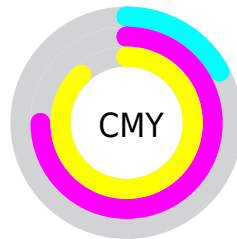


Cyan (0%)

Magenta (69%)

Yellow (86%)

Black (17%)



Cyan (17%)


Magenta (75%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9886, 17.7232, 3.1213 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 28.9886, 17.7232, 3.1213 by changing the saturation by 10% instead.


 28.9886, 17.7232,
3.1213


 28.9886, 17.7232,
3.1213


289.1563,
239.3062, 137.8909


 19.2164, 10.7514,
1.1569


 57.4567, 39.5651,
11.9263


 11.9317, 5.9000,
0.0000


 76.8833, 55.2040,
19.6040


 6.7691, 2.7843,
0.0000


 100.2587, 74.5008,
30.0232

 3.3631, 1.0202,
0.0000

 127.9484, 97.8398,
43.6025

 1.3486, 0.0000,
0.0000

 160.3176,
125.6055, 60.7603


 0.2191, 0.0000,
0.0000


 197.7318,


 0.0000, 0.0000,


158.1822, 81.9153


0.0000


 240.5563,
195.9543, 107.4860


 28.9886, 17.7232,
3.1213


 28.9886, 17.7232,
3.1213


 27.9691, 15.9815,
1.8662


 30.4830, 20.1276,
5.4220

 27.6502, 15.4217,
1.5194

 32.5063, 23.2519,
8.9400

 35.1059, 27.1504,
13.8161

 38.3230, 31.8711,
20.1712

 42.1951, 37.4579,
28.1129

■ 46.7566, 43.9517,
37.7388

■ 52.0393, 51.3907,
49.1384

■ 58.0732, 59.8108,
62.3950

■ 64.8865, 69.2462,
77.5867

Harmonies

Analogous

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



33.9224, 17.7232, 12.0092



28.9886, 17.7232, 3.1213



21.2641, 17.7232, 0.8824

Triad

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



28.9886, 17.7232, 3.1213



6.9139, 17.7232, 9.8117



19.9778, 17.7232, 87.7960

Complementary

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



28.9886, 17.7232, 3.1213



27.8166, 36.0259, 67.1152

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.



13.0855, 17.7232, 85.4483



28.9886, 17.7232, 3.1213



6.7489, 17.7232, 29.0621

Square

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



28.9886, 17.7232, 3.1213



9.2182, 17.7232, 2.4725



8.6784, 17.7232, 59.4600



27.8227, 17.7232, 64.5921

Rectangle

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



28.9886, 17.7232, 3.1213



16.2476, 17.7232, 0.6443



8.6784, 17.7232, 59.4600



17.4576, 17.7232, 90.2687

Sweetspot

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



28.9890, 17.7243, 3.1216



71.4018, 66.9391, 57.1308



35.3455, 17.9843, 43.6312



14.7358, 13.5513, 11.0661



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.



28.9890, 17.7243, 3.1216



42.3519, 23.4837, 2.3006



38.6015, 36.9492, 6.3257



11.9912, 12.1731, 12.3297



16.7439, 9.4209, 0.9359



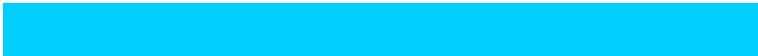
0.9922, 0.6386, 0.0710

Inverse Universe

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



27.8166, 36.0259, 67.1152



40.0437, 51.2073, 102.3812



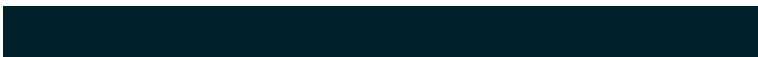
15.7271, 11.8470, 63.0853



11.9560, 13.0022, 15.1232



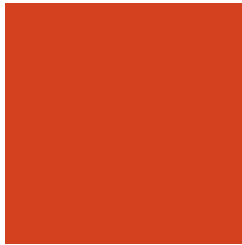
15.8644, 20.3755, 40.2892



0.9381, 1.2413, 2.2697

Previews

White Background



This preview shows how the XYZ color 28.9886, 17.7232, 3.1213 looks on a white 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

Black Background



This preview shows how the XYZ color 28.9886, 17.7232, 3.1213 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 28.9886, 17.7232, 3.1213

Background



This preview shows how black text looks on a background with the XYZ color 28.9886, 17.7232, 3.1213.



This preview shows how white text looks on a background with the XYZ color 28.9886, 17.7232,

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

28.9886, 17.7232, 3.1213

Protanopia

16.2746, 17.9566, 4.8937

Tritanopia

29.7455, 17.7047, 6.7001

Trichromacy



Original Color

28.9886, 17.7232, 3.1213

Protanomaly

19.3089, 16.5372, 4.0080

Tritanomaly

29.4938, 17.6902, 5.1089

Monochromacy



Original Color

28.9886, 17.7232, 3.1213

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.5329, 13.7917, 8.9984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9886, 17.7232, 3.1213 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(211, 65, 30)` looks like.

```
.text, #text, p{  
    color:rgb(211, 65, 30)  
}
```

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(211, 65, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 65, 30) }
```

Border

The CSS property to change the border of an element to XYZ 28.9886, 17.7232, 3.1213 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(211, 65, 30) }
```

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

```
.border{ border-color:rgb(211, 65, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 65, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 65, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 65, 30);  
box-shadow:4px 4px 4px 4px rgb(211, 65,  
30) }
```


Background

The CSS property to change the background color of an element to XYZ 28.9886, 17.7232, 3.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 65, 30) }
```

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

```
.background{ background-color: rgb(211, 65,  
30) }
```

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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