

Converting Colors

XYZ(28.7501, 18.6169, 3.6213)

Have a look what the booklet for
XYZ(28.7501, 18.6169, 3.6213)
contains.

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Color

**XYZ(28.8856, 18.6943,
3.5993)**

Conversions

Conversions Part 1

Format	Color
Hex	D04C22
RGB	208, 76, 34
RGB Percent	82%, 30%, 13%
CMY	0.1843, 0.7019, 0.8667
CMYK	0.00, 0.63, 0.84, 0.18
HSL	14°, 72%, 47%
HSV	14°, 84%, 82%
XYZ	28.8856, 18.6943, 3.5993
YIQ	110.6800, 92.1540, 14.9220

Conversions

Conversions Part 2

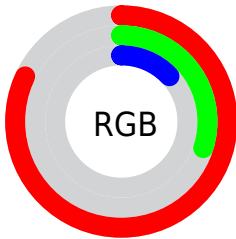
Format	Color
RYB	208, 89, 34
Decimal	13650978
CIELab	50.33, 50.27, 50.17
CIELCh	50, 71.022, 44.944
Yxy	18.6943, 0.5644, 0.3653
Android (android.graphics.Color)	4291841058 (0xFFD04C22)
YUV	110.6800, -37.8032, 85.3496
Hunter-Lab	43.2369, 43.5872, 25.3302

Details

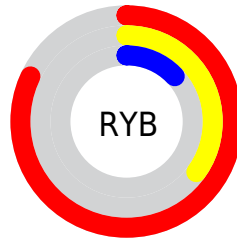
The XYZ color **28.8856, 18.6943, 3.5993** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.6796, 32.1636, 64.5288**, and the grayscale version is **15.1049, 15.8915, 17.3059**.

A 20% lighter version of the original color is **50.7840, 37.8498, 12.8127**, and **12.0111, 6.4251, 0.6071** is the 20% darker color. If you saturate the color by 10%, you get **27.7141, 16.6953, 2.1494**, and if you desaturate by 10%, it is **30.5058, 21.3012, 6.0932**.

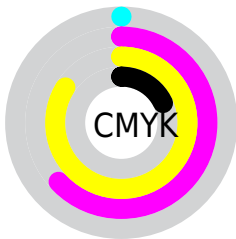
Distribution



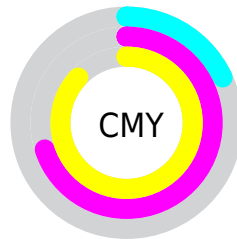
- Red (82%)
- Green (30%)
- Blue (13%)



- Red (82%)
- Yellow (35%)
- Blue (13%)



- Cyan (0%)
- Magenta (63%)
- Yellow (84%)
- Black (18%)





- Cyan (18%)
- Magenta (70%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8856, 18.6943, 3.5993 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 28.8856, 18.6943, 3.5993 by changing the saturation by 10% instead.

 28.8856, 18.6943,
3.5993

 28.8856, 18.6943,
3.5993


288.6788,
244.7559, 143.6617


 19.1381, 11.4496,
1.4082


 57.2941, 41.2169,
13.0745


 11.8747, 6.3701,
0.1481


 76.6858, 57.2636,
21.1958

 6.7300, 3.0714,
0.0000


 100.0231, 77.0130,
32.1308

 3.3387, 1.1691,
0.0000

 127.6711,
100.8497, 46.2981

 1.3353, 0.0363,
0.0000

 159.9954,
129.1579, 64.1164

 0.2094, 0.0000,
0.0000

 197.3611,

 0.0000, 0.0000,

162.3221, 86.0040

0.0000

240.1338,
200.7266, 112.3796

28.8856, 18.6943,
3.5993

28.8856, 18.6943,
3.5993

27.7141, 16.6953,
2.1494

30.5058, 21.3012,
6.0932

27.1621, 15.7095,
1.6006

32.6197, 24.5597,
9.7863

35.2677, 28.5131,
14.8082

38.4852, 33.1995,
21.2715

42.3045, 38.6543,
29.2765

■ 46.7552, 44.9107,
38.9148

■ 51.8652, 51.9995,
50.2705

■ 57.6603, 59.9503,
63.4221

■ 64.1651, 68.7908,
78.4431

Harmonies

Analogous

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



33.8790, 18.6943, 12.0579



28.8856, 18.6943, 3.5993



21.4349, 18.6943, 1.3054

Triad

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



28.8856, 18.6943, 3.5993



7.8033, 18.6943, 12.0074



21.4065, 18.6943, 83.3802

Complementary

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



28.8856, 18.6943, 3.5993



25.6796, 32.1636, 64.5288

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.



14.5458, 18.6943, 83.3310



28.8856, 18.6943, 3.5993



7.7994, 18.6943, 31.7843

Square

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



28.8856, 18.6943, 3.5993



9.9596, 18.6943, 3.5828



9.9471, 18.6943, 60.6170



28.8603, 18.6943, 60.7257

Rectangle

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



28.8856, 18.6943, 3.5993



16.6514, 18.6943, 1.1281



9.9471, 18.6943, 60.6170



18.9342, 18.6943, 86.3370

Sweetspot

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



28.8860, 18.6954, 3.5996



72.8974, 69.4844, 59.0043



33.5964, 17.3588, 38.3331



15.0539, 14.1023, 11.4349



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.



28.8860, 18.6954, 3.5996



42.9390, 24.6579, 2.4963



39.1509, 39.2252, 7.0212



12.0372, 12.2651, 12.3450



16.9927, 9.9183, 1.0188



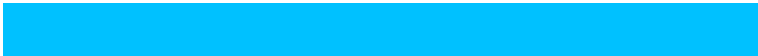
1.0134, 0.6811, 0.0781

Inverse Universe

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



25.6796, 32.1636, 64.5288



37.2167, 45.5533, 101.4389



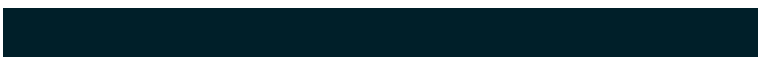
14.9429, 10.6903, 60.9499



11.9065, 12.9032, 15.1067



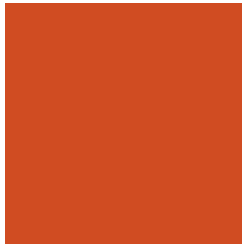
14.7718, 18.1903, 39.9250



0.8854, 1.1361, 2.2522

Previews

White Background



This preview shows how the XYZ color 28.8856, 18.6943, 3.5993 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 28.8856, 18.6943, 3.5993 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 28.8856, 18.6943, 3.5993

Background



This preview shows how black text looks on a background with the XYZ color 28.8856, 18.6943, 3.5993.



This preview shows how white text looks on a background with the XYZ color 28.8856, 18.6943,

3.5993.

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

28.8856, 18.6943, 3.5993

Protanopia

17.1620, 18.9403, 5.3361

Deuteranopia

19.0754, 18.7537, 3.1867



Tritanopia

29.9164, 18.7118, 8.8725

Trichromacy



Original Color

28.8856, 18.6943, 3.5993

Protanomaly

20.1674, 17.8474, 4.5724

Deuteranomaly

21.7353, 17.9509, 3.1835

Tritanomaly

29.5193, 18.6573, 6.4603

Monochromacy



Original Color

28.8856, 18.6943, 3.5993

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.7831, 15.4709, 10.2325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8856, 18.6943, 3.5993 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(208, 76, 34)` looks like.

```
.text, #text, p{  
    color:rgb(208, 76, 34)  
}
```

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(208, 76, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 76, 34) }
```

Border

The CSS property to change the border of an element to XYZ 28.8856, 18.6943, 3.5993 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(208, 76, 34) }
```


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

```
.border{ border-color:rgb(208, 76, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 76, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 76, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 76, 34);  
box-shadow:4px 4px 4px 4px rgb(208, 76,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8856, 18.6943, 3.5993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 76, 34) }
```

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

```
.background{ background-color: rgb(208, 76,  
34) }
```

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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