

Converting Colors

XYZ(28.8814, 17.8830, 12.8847)

Have a look what the booklet for
XYZ(28.8814, 17.8830, 12.8847)
contains.

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Color

**XYZ(28.9301, 17.9214,
13.0007)**

Conversions

Conversions Part 1

Format	Color
Hex	CB4660
RGB	203, 70, 96
RGB Percent	80%, 27%, 38%
CMY	0.2039, 0.7255, 0.6235
CMYK	0.00, 0.66, 0.53, 0.20
HSL	348°, 56%, 54%
HSV	348°, 66%, 80%
XYZ	28.9301, 17.9214, 13.0007
YIQ	112.7310, 70.9220, 36.2820

Conversions

Conversions Part 2

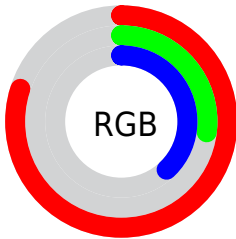
Format	Color
R_{YB}	203, 70, 96
Decimal	13321824
CIE _{Lab}	49.40, 54.44, 14.28
CIE _{LCh}	49, 56.278, 14.695
Yxy	17.9214, 0.4834, 0.2994
Android (android.graphics.Color)	4291511904 (0xFFCB4660)
YUV	112.7310, -8.2484, 79.1659
Hunter-Lab	42.3337, 47.8999, 11.4256

Details

The XYZ color **28.9301, 17.9214, 13.0007** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **31.8189, 47.1888, 49.0304**, and the grayscale version is **15.6262, 16.4400, 17.9032**.

A 20% lighter version of the original color is **53.7619, 38.0026, 31.6958**, and **11.9034, 6.0699, 3.5618** is the 20% darker color. If you saturate the color by 10%, you get **27.1924, 15.5271, 9.0891**, and if you desaturate by 10%, it is **31.2540, 21.2382, 17.8787**.

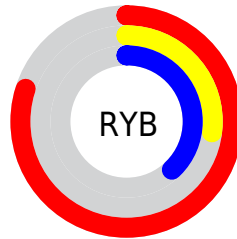
Distribution



Red (80%)

Green (27%)

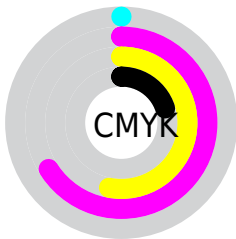
Blue (38%)



Red (80%)

Yellow (27%)

Blue (38%)

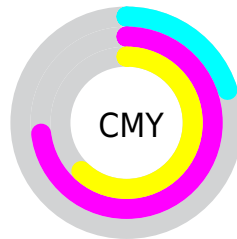


Cyan (0%)

Magenta (66%)

Yellow (53%)

Black (20%)



Cyan (20%)


Magenta (73%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9301, 17.9214, 13.0007 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 28.9301, 17.9214, 13.0007 by changing the saturation by 10% instead.


 28.9301, 17.9214,
13.0007


 28.9301, 17.9214,
13.0007


288.8852,
240.4276, 222.1301

 19.1720, 10.8936,
7.2983


 57.3643, 39.9033,
31.9962


 11.8993, 5.9953,
3.5681


 76.7712, 55.6263,
46.1265


 6.7469, 2.8422,
1.3915


 100.1249, 75.0163,
63.9030

 3.3492, 1.0499,
0.1351

 127.7909, 98.4579,
85.7445

 1.3410, 0.0000,
0.0000

 160.1346,
126.3355, 112.0694

 0.2136, 0.0000,
0.0000

197.5213,

 0.0000, 0.0000,

159.0333, 143.2963

0.0000

240.3164,
196.9359, 179.8437

■ 28.9301, 17.9214,
13.0007

■ 28.9301, 17.9214,
13.0007

■ 27.1924, 15.5271,
9.0891

■ 31.2540, 21.2382,
17.8787

■ 25.9846, 13.9580,
6.0765

■ 34.2106, 25.5562,
23.7822

■ 25.2405, 13.0995,
3.8877

■ 37.8432, 30.9488,
30.7664

■ 25.0060, 12.8475,
3.1404

■ 42.1909, 37.4817,
38.8823

■ 47.2897, 45.2156,
48.1774

■ 53.1732, 54.2065,
58.6968

■ 59.8729, 64.5072,
70.4829

■ 67.4185, 76.1672,
83.5762

■ 75.8384, 89.2337,
98.0154

Harmonies

Analogous

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



28.8900, 17.9214, 28.2863



28.9301, 17.9214, 13.0007



25.3637, 17.9214, 5.3335

Triad

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



28.9301, 17.9214, 13.0007



10.8189, 17.9214, 5.2413



14.4803, 17.9214, 63.4371

Complementary

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



28.9301, 17.9214, 13.0007



31.8189, 47.1888, 49.0304

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.



10.7622, 17.9214, 48.1198



28.9301, 17.9214, 13.0007



8.9670, 17.9214, 12.7725

Square

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



28.9301, 17.9214, 13.0007



14.5748, 17.9214, 2.7001



8.9486, 17.9214, 27.9026



19.7549, 17.9214, 63.6142

Rectangle

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



28.9301, 17.9214, 13.0007



21.7771, 17.9214, 3.2253



8.9486, 17.9214, 27.9026



13.0346, 17.9214, 59.6371

Sweetspot

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



28.9306, 17.9224, 13.0010



74.9663, 69.2991, 73.0215



30.9656, 17.9702, 58.3362



15.5347, 14.0583, 14.6953



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.



28.9306, 17.9224, 13.0010



44.5106, 24.6456, 12.7488



31.3001, 24.2703, 8.8307



11.3005, 11.2489, 12.1168



15.9396, 8.1864, 2.1348



0.8495, 0.4332, 0.2535

Inverse Universe

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



28.9306, 17.9224, 13.0010



44.5106, 24.6456, 12.7488



26.4212, 31.8449, 61.2538



11.3005, 11.2489, 12.1168



15.9396, 8.1864, 2.1348



0.8495, 0.4332, 0.2535

Previews

White Background



This preview shows how the XYZ color 28.9301, 17.9214, 13.0007 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 28.9301, 17.9214, 13.0007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

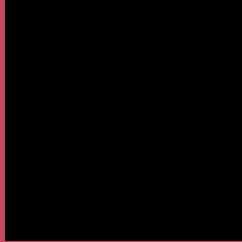
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9301, 17.9214, 13.0007

Background



This preview shows how black text looks on a background with the XYZ color 28.9301, 17.9214, 13.0007.



This preview shows how white text looks on a background with the XYZ color 28.9301, 17.9214,

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

28.9301, 17.9214, 13.0007

Protanopia

17.4972, 18.0717, 20.3353

Deuteranopia

18.3981, 18.0374, 12.1847



Tritanopia

28.1148, 17.8717, 9.1755

Trichromacy



Original Color

28.9301, 17.9214, 13.0007

Protanomaly

20.0041, 16.7461, 17.2169

Deuteranomaly

21.1068, 17.0035, 12.2948

Tritanomaly

28.3142, 17.8472, 10.5469

Monochromacy



Original Color

28.9301, 17.9214, 13.0007

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

18.7826, 15.7219, 15.9546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9301, 17.9214, 13.0007 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(203, 70, 96)` looks like.

```
.text, #text, p{  
    color:rgb(203, 70, 96)  
}
```

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(203, 70, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 70, 96) }
```

Border

The CSS property to change the border of an element to XYZ 28.9301, 17.9214, 13.0007 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(203, 70, 96) }
```


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

```
.border{ border-color:rgb(203, 70, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 70, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 70, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 70, 96);  
box-shadow:4px 4px 4px 4px rgb(203, 70,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9301, 17.9214, 13.0007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 70, 96) }
```

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

```
.background{ background-color: rgb(203, 70,  
96) }
```

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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