

Converting Colors

XYZ(28.7307, 17.3257, 13.9854)

Have a look what the booklet for
XYZ(28.7307, 17.3257, 13.9854)
contains.

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Color

**XYZ(28.8191, 17.3972,
13.8956)**

Conversions

Conversions Part 1

Format	Color
Hex	CB4164
RGB	203, 65, 100
RGB Percent	80%, 25%, 39%
CMY	0.2039, 0.7451, 0.6078
CMYK	0.00, 0.68, 0.51, 0.20
HSL	345°, 57%, 53%
HSV	345°, 68%, 80%
XYZ	28.8191, 17.3972, 13.8956
YIQ	110.2520, 71.0130, 40.1410

Conversions

Conversions Part 2

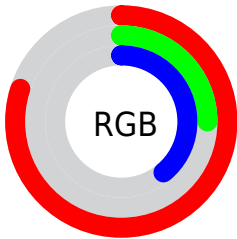
Format	Color
R_{YB}	203, 65, 100
Decimal	13320548
CIE Lab	48.76, 56.78, 10.96
CIE LCh	49, 57.829, 10.921
Yxy	17.3972, 0.4794, 0.2894
Android (android.graphics.Color)	4291510628 (0xFFCB4164)
YUV	110.2520, -5.0542, 81.3400
Hunter-Lab	41.7100, 50.3405, 9.4446

Details

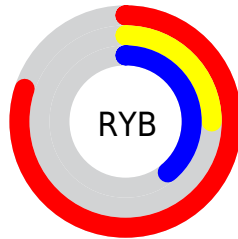
The XYZ color **28.8191, 17.3972, 13.8956** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **30.6050, 46.6632, 44.4437**, and the grayscale version is **14.8941, 15.6698, 17.0644**.

A 20% lighter version of the original color is **53.6633, 37.1691, 33.6241**, and **11.9935, 6.1060, 4.0365** is the 20% darker color. If you saturate the color by 10%, you get **27.1894, 15.2045, 10.0644**, and if you desaturate by 10%, it is **31.0046, 20.4835, 18.5853**.

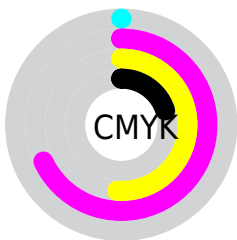
Distribution



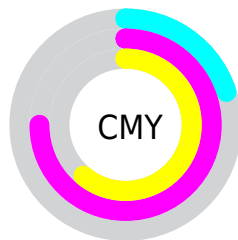
- Red (80%)
- Green (25%)
- Blue (39%)



- Red (80%)
- Yellow (25%)
- Blue (39%)



- Cyan (0%)
- Magenta (68%)
- Yellow (51%)
- Black (20%)





- Cyan (20%)
- Magenta (75%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8191, 17.3972, 13.8956 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 28.8191, 17.3972, 13.8956 by changing the saturation by 10% instead.

 28.8191, 17.3972,
13.8956


 28.8191, 17.3972,
13.8956


288.3701,
237.4510, 227.9862


 19.0876, 10.5181,
7.9102


 57.1891, 39.0074,
33.6181


 11.8380, 5.7438,
3.9506


 76.5583, 54.5074,
48.1923


 6.7049, 2.6899,
1.5983


 99.8708, 73.6497,
66.4665

 3.3229, 0.9721,
0.2896

 127.4920, 96.8188,
88.8592

 1.3267, 0.0000,
0.0000

 159.7871,
124.3991, 115.7890

 0.2031, 0.0000,
0.0000

197.1216,

 0.0000, 0.0000,

156.7750, 147.6744

0.0000

239.8608,
194.3308, 184.9339

■ 28.8191, 17.3972,
13.8956

■ 28.8191, 17.3972,
13.8956

■ 27.1894, 15.2045,
10.0644

■ 31.0046, 20.4835,
18.5853

■ 26.0595, 13.8051,
7.0353

■ 33.7921, 24.5440,
24.1830

■ 25.3518, 13.0571,
4.7414

■ 37.2239, 29.6533,
30.7351

■ 25.2366, 12.9397,
4.3548

■ 41.3382, 35.8781,
38.2844

■ 46.1703, 43.2794,
46.8712

■ 51.7528, 51.9138,
56.5335

■ 58.1163, 61.8342,
67.3071

■ 65.2898, 73.0905,
79.2264

■ 73.3007, 85.7299,
92.3242

Harmonies

Analogous

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



28.2745, 17.3972, 30.2849



28.8191, 17.3972, 13.8956



25.5806, 17.3972, 5.4641

Triad

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



28.8191, 17.3972, 13.8956



10.6758, 17.3972, 4.2706



13.3984, 17.3972, 62.5983

Complementary

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



28.8191, 17.3972, 13.8956



30.6050, 46.6632, 44.4437

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.



9.9219, 17.3972, 45.5031



28.8191, 17.3972, 13.8956



8.6002, 17.3972, 10.8582

Square

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



28.8191, 17.3972, 13.8956



14.6639, 17.3972, 2.2481



8.3578, 17.3972, 25.0839



18.5600, 17.3972, 65.0340

Rectangle

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



28.8191, 17.3972, 13.8956



22.0505, 17.3972, 3.1060



8.3578, 17.3972, 25.0839



12.0265, 17.3972, 58.0679

Sweetspot

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



28.8195, 17.3982, 13.8959



75.3485, 69.4520, 75.0339



28.4385, 16.2222, 58.1319



15.6248, 14.0944, 15.1700



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.



28.8195, 17.3982, 13.8959



44.4615, 24.1056, 14.0946



29.8767, 21.6659, 7.6096



11.3271, 11.2596, 12.2571



16.0920, 8.2474, 2.9371



0.8617, 0.4381, 0.3177

Inverse Universe

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



28.8195, 17.3982, 13.8959



44.4615, 24.1056, 14.0946



27.4855, 34.4869, 61.7076



11.3271, 11.2596, 12.2571



16.0920, 8.2474, 2.9371



0.8617, 0.4381, 0.3177

Previews

White Background



This preview shows how the XYZ color 28.8191, 17.3972, 13.8956 looks on a white background.

Color Contrast Check

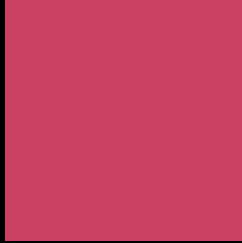
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8191, 17.3972, 13.8956 looks on a black 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

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

XYZ 28.8191, 17.3972, 13.8956

Background



This preview shows how black text looks on a background with the XYZ color 28.8191, 17.3972, 13.8956.



This preview shows how white text looks on a background with the XYZ color 28.8191, 17.3972,

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

28.8191, 17.3972, 13.8956

Protanopia

17.2786, 17.7361, 22.5914

Deuteranopia

17.9233, 17.6129, 12.8109



Tritanopia

27.7833, 17.4313, 8.3788

Trichromacy



Original Color

28.8191, 17.3972, 13.8956

Protanomaly

19.6983, 16.1296, 18.9047

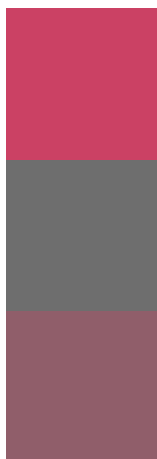
Deuteranomaly

20.7007, 16.5025, 13.1606

Tritanomaly

27.9856, 17.3153, 10.0508

Monochromacy



Original Color

28.8191, 17.3972, 13.8956

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.1058, 14.9753, 15.5719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8191, 17.3972, 13.8956 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, 65, 100)` looks like.

```
.text, #text, p{  
    color:rgb(203, 65, 100)  
}
```

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, 65, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 65, 100) }
```

Border

The CSS property to change the border of an element to XYZ 28.8191, 17.3972, 13.8956 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, 65, 100) }
```


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

```
.border{ border-color:rgb(203, 65, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 65, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 65, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 65, 100);  
box-shadow:4px 4px 4px 4px rgb(203, 65,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8191, 17.3972, 13.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 65, 100) }
```

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

```
.background{ background-color: rgb(203, 65,  
100) }
```

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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