

# Converting Colors

XYZ(28.8050, 18.3614, 12.1511)

Have a look what the booklet for  
XYZ(28.8050, 18.3614, 12.1511)  
contains.

<b>XYZ(28.8050, 18.3614, 12.1511)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(28.8050, 18.3614,  
12.1511)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA4B5C
RGB	202, 75, 92
RGB Percent	79%, 29%, 36%
CMY	0.2078, 0.7059, 0.6392
CMYK	0.00, 0.63, 0.54, 0.21
HSL	352°, 55%, 54%
HSV	352°, 63%, 79%
XYZ	28.8050, 18.3614, 12.1511
YIQ	114.9110, 70.2350, 32.2110

# Conversions

## Conversions Part 2

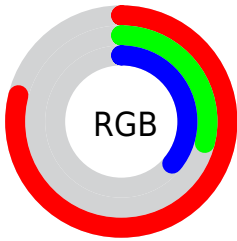
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 75, 92
Decimal	13257564
CIE <sub>Lab</sub>	49.93, 51.66, 17.38
CIE <sub>LCh</sub>	50, 54.510, 18.598
Yxy	18.3614, 0.4856, 0.3095
Android (android.graphics.Color)	4291447644 (0xFFCA4B5C)
YUV	114.9110, -11.2951, 76.3771
Hunter-Lab	42.8502, 45.0044, 13.1822

# Details

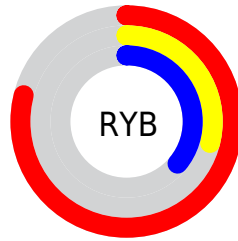
The XYZ color **28.8050, 18.3614, 12.1511** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **32.7804, 47.2402, 53.2933**, and the grayscale version is **16.2877, 17.1359, 18.6610**.

A 20% lighter version of the original color is **53.9727, 38.9135, 30.2576**, and **11.7770, 6.1731, 3.2601** is the 20% darker color. If you saturate the color by 10%, you get **26.9672, 15.7719, 8.1908**, and if you desaturate by 10%, it is **31.2552, 21.8932, 17.1873**.

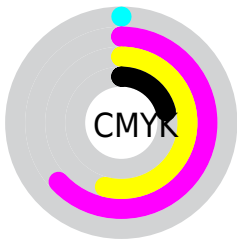
# Distribution



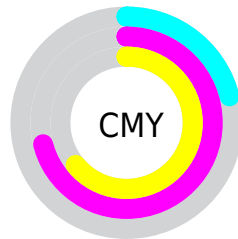
- Red (79%)
- Green (29%)
- Blue (36%)



- Red (79%)
- Yellow (29%)
- Blue (36%)



- Cyan (0%)
- Magenta (63%)
- Yellow (54%)
- Black (21%)




- Cyan (21%)
- Magenta (71%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8050, 18.3614, 12.1511 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 28.8050, 18.3614, 12.1511 by changing the saturation by 10% instead.



 28.8050, 18.3614,  
12.1511


 28.8050, 18.3614,  
12.1511


288.3046,  
242.9003, 216.4164


 19.0769, 11.2098,  
6.7229


 57.1668, 40.6522,  
30.4385


 11.8302, 6.2081,  
3.2136


 76.5313, 56.5601,  
44.1348

 6.6995, 2.9720,  
1.2047


 99.8385, 76.1556,  
61.4241

 3.3196, 1.1171,  
0.0000

 127.4540, 99.8231,  
82.7252

 1.3249, 0.0000,  
0.0000

 159.7429,  
127.9469, 108.4563

 0.2018, 0.0000,  
0.0000

197.0708,

 0.0000, 0.0000,

160.9114, 139.0362

0.0000

239.8029,  
199.1011, 174.8834

■ 28.8050, 18.3614,  
12.1511

■ 28.8050, 18.3614,  
12.1511

■ 26.9672, 15.7719,  
8.1908

■ 31.2552, 21.8932,  
17.1873

■ 25.6853, 14.0311,  
5.2262

■ 34.3648, 26.4433,  
23.3696

■ 24.8944, 13.0316,  
3.1673

■ 38.1778, 32.0831,  
30.7634

■ 24.5553, 12.6358,  
2.1835

■ 42.7338, 38.8771,  
39.4288

■ 48.0698, 46.8845,  
49.4218

■ 54.2199, 56.1604,  
60.7951

■ 61.2164, 66.7568,  
73.5988

■ 69.0898, 78.7226,  
87.8800

■ 77.2899, 90.9457,  
103.4909

# Harmonies

## Analogous

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



29.2631, 18.3614, 26.2340



28.8050, 18.3614, 12.1511



24.9714, 18.3614, 5.2486

# Triad

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



28.8050, 18.3614, 12.1511



10.9511, 18.3614, 6.3663



15.5411, 18.3614, 63.5142

# Complementary

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



28.8050, 18.3614, 12.1511



32.7804, 47.2402, 53.2933

# 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.



11.6175, 18.3614, 50.2553



28.8050, 18.3614, 12.1511



9.3427, 18.3614, 14.8288

# Square

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



28.8050, 18.3614, 12.1511



14.4411, 18.3614, 3.2456



9.5595, 18.3614, 30.6394



20.8547, 18.3614, 61.5163



# Rectangle

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



28.8050, 18.3614, 12.1511



21.3789, 18.3614, 3.3909



9.5595, 18.3614, 30.6394



14.0380, 18.3614, 60.5039

# Sweetspot

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



28.8055, 18.3624, 12.1514



75.4584, 70.4737, 72.5986



32.6940, 19.3587, 57.8905



15.6143, 14.2799, 14.5295



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.



28.8055, 18.3624, 12.1514



44.8769, 25.6257, 12.1075



32.2784, 26.3668, 10.0460



11.2724, 11.2377, 11.9692



15.8201, 8.1386, 1.5053



0.8366, 0.4281, 0.1855



# Inverse Universe

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



28.8055, 18.3624, 12.1514



44.8769, 25.6257, 12.1075



25.7136, 30.0618, 60.3243



11.2724, 11.2377, 11.9692



15.8201, 8.1386, 1.5053



0.8366, 0.4281, 0.1855



# Previews

## White Background



This preview shows how the XYZ color 28.8050, 18.3614, 12.1511 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 28.8050, 18.3614, 12.1511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

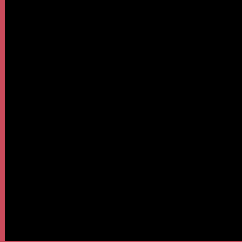
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.8050, 18.3614, 12.1511**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.8050, 18.3614, 12.1511.



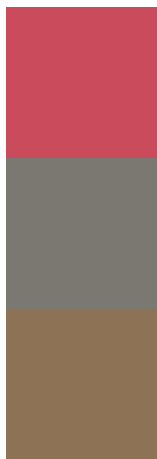
This preview shows how white text looks on a background with the XYZ color 28.8050, 18.3614,



# 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

28.8050, 18.3614, 12.1511

### Protanopia

17.7458, 18.5969, 18.2770

### Deuteranopia

18.8524, 18.4573, 11.3731



## Tritanopia

28.2643, 18.3345, 10.0319

# Trichromacy



## Original Color

28.8050, 18.3614, 12.1511

## Protanomaly

20.3489, 17.3958, 15.6498

## Deuteranomaly

21.6285, 17.7114, 11.5112

## Tritanomaly

28.3515, 18.2583, 10.8340

# Monochromacy



## Original Color

28.8050, 18.3614, 12.1511

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

19.2436, 16.3789, 16.0571

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.8050, 18.3614, 12.1511 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(202, 75, 92)` looks like.

```
.text, #text, p{  
    color:rgb(202, 75, 92)  
}
```

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(202, 75, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 75, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 28.8050, 18.3614, 12.1511 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(202, 75, 92) }
```



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

```
.border{ border-color:rgb(202, 75, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 75, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 75, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 75, 92);  
box-shadow:4px 4px 4px 4px rgb(202, 75,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.8050, 18.3614, 12.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 75, 92) }
```

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

```
.background{ background-color: rgb(202, 75,  
92) }
```

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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