

# Converting Colors

XYZ(28.8320, 21.1528, 14.2255)

Have a look what the booklet for  
XYZ(28.8320, 21.1528, 14.2255)  
contains.

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# Color

**XYZ(28.8204, 21.0865,  
14.1064)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C26262
RGB	194, 98, 98
RGB Percent	76%, 38%, 38%
CMY	0.2392, 0.6157, 0.6157
CMYK	0.00, 0.49, 0.49, 0.24
HSL	0°, 44%, 57%
HSV	0°, 49%, 76%
XYZ	28.8204, 21.0865, 14.1064
YIQ	126.7040, 57.2160, 20.3520

# Conversions

## Conversions Part 2

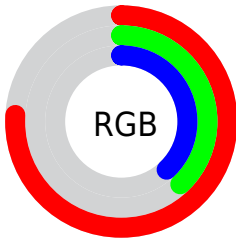
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 98, 98
Decimal	12739170
CIE Lab	53.04, 38.31, 17.84
CIE LCh	53, 42.258, 24.973
Yxy	21.0865, 0.4502, 0.3294
Android (android.graphics.Color)	4290929250 (0xFFC26262)
YUV	126.7040, -14.1511, 59.0186
Hunter-Lab	45.9200, 31.6704, 13.9304

# Details

The XYZ color **28.8204, 21.0865, 14.1064** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.0653, 45.0730, 57.9433**, and the grayscale version is **20.1051, 21.1521, 23.0347**.

A 20% lighter version of the original color is **57.3645, 45.3740, 34.1684**, and **11.7897, 7.5152, 4.0780** is the 20% darker color. If you saturate the color by 10%, you get **26.4126, 17.5634, 9.3192**, and if you desaturate by 10%, it is **31.8911, 25.5802, 20.2101**.

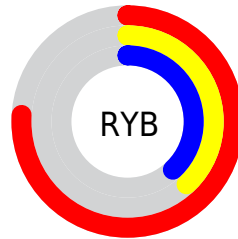
# Distribution



Red (76%)

Green (38%)

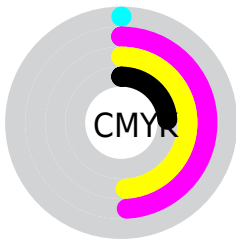
Blue (38%)



Red (76%)

Yellow (38%)

Blue (38%)

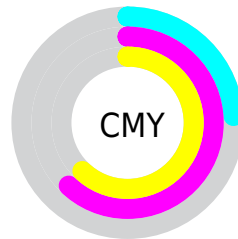


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (24%)



Cyan (24%)

Magenta (62%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8204, 21.0865, 14.1064 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 28.8204, 21.0865, 14.1064 by changing the saturation by 10% instead.





 28.8204, 21.0865,  
14.1064


 28.8204, 21.0865,  
14.1064


288.3761,  
257.7378, 229.3431


 19.0886, 13.1872,  
8.0551


 57.1912, 45.2314,  
33.9975

 11.8387, 7.5576,  
4.0420


 76.5608, 62.2459,  
48.6745

 6.7054, 3.8132,  
1.6484


 99.8738, 83.0676,  
67.0637

 3.3232, 1.5696,  
0.3250

 127.4955,  
108.0809, 89.5838

 1.3269, 0.3370,  
0.0000

159.7912,  
137.6702, 116.6532

 0.2032, 0.0000,  
0.0000

197.1263,

 0.0000, 0.0000,

172.2198, 148.6905

0.0000

239.8662,  
212.1142, 186.1143

■ 28.8204, 21.0865,  
14.1064

■ 28.8204, 21.0865,  
14.1064

■ 26.4126, 17.5634,  
9.3192

■ 31.8911, 25.5802,  
20.2101

■ 24.6174, 14.9365,  
5.7506

■ 35.6669, 31.1053,  
27.7162

■ 23.3800, 13.1259,  
3.2911


■ 40.1884, 37.7214,  
36.7045


■ 22.6354, 12.0361,  
1.8109


■ 45.4924, 45.4828,  
47.2489


■ 22.2645, 11.4934,  
1.0737


■ 51.6137, 54.4400,  
59.4178

 22.2482, 11.4695,  
1.0412

 58.5848, 64.6405,  
73.2761

 66.4363, 76.1294,  
88.8848

 75.1974, 88.9494,  
106.3018

 76.0581, 90.2093,  
108.0112

# Harmonies

## Analogous

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



29.8065, 21.0865, 25.1694



28.8204, 21.0865, 14.1064



25.3525, 21.0865, 8.1935

# Triad

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



28.8204, 21.0865, 14.1064



13.8322, 21.0865, 11.5909



19.3033, 21.0865, 56.9450

# Complementary

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



28.8204, 21.0865, 14.1064



34.0653, 45.0730, 57.9433

# 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.



15.5304, 21.0865, 49.3665



28.8204, 21.0865, 14.1064



12.6836, 21.0865, 20.8831

# Square

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



28.8204, 21.0865, 14.1064



16.6493, 21.0865, 7.1622



13.2562, 21.0865, 34.9071



23.8670, 21.0865, 53.0223



# Rectangle

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



28.8204, 21.0865, 14.1064



22.3381, 21.0865, 6.5157



13.2562, 21.0865, 34.9071



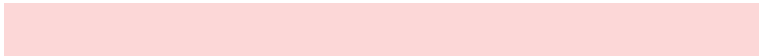
17.9090, 21.0865, 55.5961

# Sweetspot

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



28.8209, 21.0876, 14.1068



76.7149, 74.0539, 74.2596



36.3534, 24.0999, 53.7745



16.3598, 15.5732, 15.3873



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.



28.8209, 21.0876, 14.1068



47.6830, 31.5717, 16.5459



34.7316, 32.9090, 16.0770



10.0733, 10.0780, 10.4762



14.6276, 7.5409, 0.6846



0.6320, 0.3259, 0.0296



# Inverse Universe

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



34.0653, 45.0730, 57.9433



58.2432, 79.8694, 104.8164



25.0536, 27.0496, 54.9394



10.3685, 11.4284, 12.9442



19.0846, 27.9256, 37.9409



0.8246, 1.2066, 1.6393



# Previews

## White Background



This preview shows how the XYZ color 28.8204, 21.0865, 14.1064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

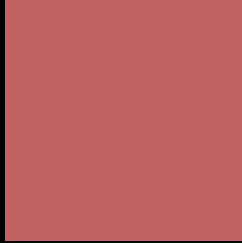
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.8204, 21.0865, 14.1064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

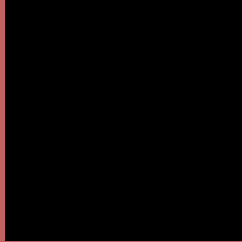
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.8204, 21.0865, 14.1064**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.8204, 21.0865, 14.1064.



This preview shows how white text looks on a background with the XYZ color 28.8204, 21.0865,



# 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

28.8204, 21.0865, 14.1064

### Protanopia

20.1869, 21.3351, 18.3834

### Deuteranopia

21.5576, 21.2112, 13.5476



## Tritanopia

29.0215, 21.0182, 15.6240

# Trichromacy



## Original Color

28.8204, 21.0865, 14.1064

## Protanomaly

22.4168, 20.5209, 16.6894

## Deuteranomaly

23.6966, 20.7435, 13.5814

## Tritanomaly

28.9211, 20.9780, 15.0952

# Monochromacy



## Original Color

28.8204, 21.0865, 14.1064

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

22.1603, 20.3310, 19.2793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.8204, 21.0865, 14.1064 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(194, 98, 98)` looks like.

```
.text, #text, p{  
    color:rgb(194, 98, 98)  
}
```

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(194, 98, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 98, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 28.8204, 21.0865, 14.1064 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(194, 98, 98) }
```



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

```
.border{ border-color:rgb(194, 98, 98) }
```

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

Here you see how a box with a 4 pixel rgb(194, 98, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 98, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 98, 98);  
box-shadow:4px 4px 4px 4px rgb(194, 98,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.8204, 21.0865, 14.1064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 98, 98) }
```

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

```
.background{ background-color: rgb(194, 98,  
98) }
```

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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