

# Converting Colors

XYZ(29.4012, 21.3564, 19.2031)

Have a look what the booklet for  
XYZ(29.4012, 21.3564, 19.2031)  
contains.

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# Color

**XYZ(29.3525, 21.3911,  
19.1048)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C06374
RGB	192, 99, 116
RGB Percent	75%, 39%, 45%
CMY	0.2471, 0.6117, 0.5451
CMYK	0.00, 0.48, 0.40, 0.25
HSL	349°, 42%, 57%
HSV	349°, 48%, 75%
XYZ	29.3525, 21.3911, 19.1048
YIQ	128.7450, 49.9710, 25.0030

# Conversions

## Conversions Part 2

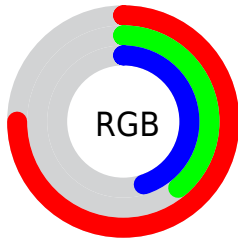
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 99, 116
Decimal	12608372
CIE <sub>Lab</sub>	53.37, 38.94, 7.64
CIE <sub>LCh</sub>	53, 39.679, 11.108
Yxy	21.3911, 0.4202, 0.3063
Android (android.graphics.Color)	4290798452 (0xFFC06374)
YUV	128.7450, -6.2833, 55.4746
Hunter-Lab	46.2505, 32.3451, 7.8843

# Details

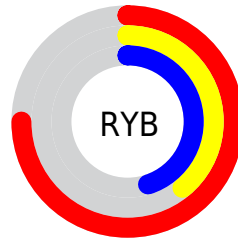
The XYZ color **29.3525, 21.3911, 19.1048** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.7343, 43.4477, 47.2738**, and the grayscale version is **20.7867, 21.8692, 23.8156**.

A 20% lighter version of the original color is **58.0798, 45.7929, 42.8236**, and **12.0920, 7.6822, 6.3143** is the 20% darker color. If you saturate the color by 10%, you get **26.9080, 17.8415, 14.1608**, and if you desaturate by 10%, it is **32.3847, 25.8693, 25.0058**.

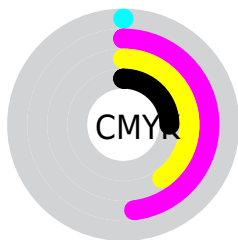
# Distribution



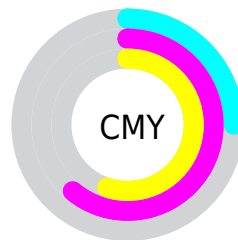
- Red (75%)
- Green (39%)
- Blue (45%)



- Red (75%)
- Yellow (39%)
- Blue (45%)



- Cyan (0%)
- Magenta (48%)
- Yellow (40%)
- Black (25%)



- Cyan (25%)
- Magenta (61%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3525, 21.3911, 19.1048 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 29.3525, 21.3911, 19.1048 by changing the saturation by 10% instead.



■ 29.3525, 21.3911,  
19.1048

■ 29.3525, 21.3911,  
19.1048

290.8388,  
259.3497, 259.4687

■ 19.4933, 13.4102,  
11.5684

■ 58.0304, 45.7375,  
42.7502

■ 12.1334, 7.7116,  
6.3316

■ 77.5797, 62.8718,  
59.6963

■ 6.9074, 3.9110,  
2.9757

■ 101.0898, 83.8261,  
80.6160

■ 3.4501, 1.6239,  
1.0822

■ 128.9260,  
108.9846, 105.9280

■ 1.3960, 0.3736,  
0.0000

161.4536,  
138.7318, 136.0507

■ 0.2534, 0.0000,  
0.0000

199.0381,

■ 0.0000, 0.0000,

173.4522, 171.4027

0.0000

242.0447,  
213.5300, 212.4025

■ 29.3525, 21.3911,  
19.1048

■ 29.3525, 21.3911,  
19.1048

■ 26.9080, 17.8415,  
14.1608

■ 32.3847, 25.8693,  
25.0058

■ 25.0106, 15.1518,  
10.1214

■ 36.0383, 31.3320,  
31.9098

■ 23.6172, 13.2493,  
6.9310


■ 40.3461, 37.8342,  
39.8614


■ 22.6772, 12.0474,  
4.5268

■ 45.3385, 45.4262,  
48.9020


■ 22.1135, 11.4088,  
2.8320

■ 51.0436, 54.1548,  
59.0707

 22.0430, 11.3284,  
2.6218

 57.4882, 64.0643,  
70.4049

 64.6975, 75.1964,  
82.9399

 72.6957, 87.5909,  
96.7099

 75.5483, 89.9465,  
107.9873

# Harmonies

## Analogous

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



28.9908, 21.3911, 31.6313



29.3525, 21.3911, 19.1048



27.0599, 21.3911, 11.1335

# Triad

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



29.3525, 21.3911, 19.1048



15.4610, 21.3911, 9.8280



17.8220, 21.3911, 52.8253

# Complementary

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



29.3525, 21.3911, 19.1048



31.7343, 43.4477, 47.2738

# 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.



14.8227, 21.3911, 42.0970



29.3525, 21.3911, 19.1048



13.5952, 21.3911, 16.5635

# Square

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



29.3525, 21.3911, 19.1048



18.8118, 21.3911, 7.1467



13.3789, 21.3911, 28.0486



21.9311, 21.3911, 54.2436



# Rectangle

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



29.3525, 21.3911, 19.1048



24.4981, 21.3911, 8.3206



13.3789, 21.3911, 28.0486



16.6665, 21.3911, 50.0506

# Sweetspot

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



29.3531, 21.3922, 19.1052



75.8571, 72.7287, 77.2412



31.6451, 21.8388, 52.4167



15.8780, 15.0019, 15.8502



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3531, 21.3922, 19.1052



48.5629, 32.0510, 25.2587



31.7692, 27.6645, 15.4711



10.1467, 10.1073, 10.8631



14.8537, 7.6312, 1.8759



0.6652, 0.3391, 0.2044



# Inverse Universe

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



29.3531, 21.3922, 19.1052



48.5629, 32.0510, 25.2587



27.6784, 32.4943, 54.6825



10.1467, 10.1073, 10.8631



14.8537, 7.6312, 1.8759

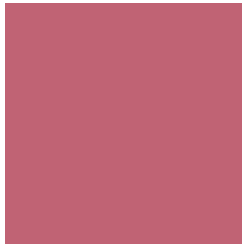


0.6652, 0.3391, 0.2044



# Previews

## White Background



This preview shows how the XYZ color 29.3525, 21.3911, 19.1048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

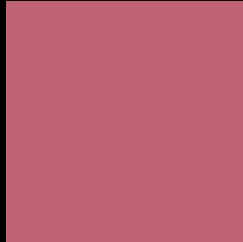
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.3525, 21.3911, 19.1048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

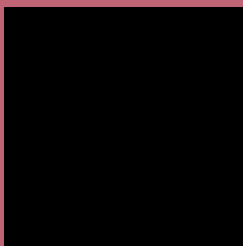
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.3525, 21.3911, 19.1048**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.3525, 21.3911, 19.1048.



This preview shows how white text looks on a background with the XYZ color 29.3525, 21.3911,



# 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

29.3525, 21.3911, 19.1048

### Protanopia

20.8075, 21.5118, 24.8853

### Deuteranopia

21.8616, 21.4468, 18.3166



## Tritanopia

28.7498, 21.2734, 16.7783

# Trichromacy



## Original Color

29.3525, 21.3911, 19.1048

## Protanomaly

23.0761, 20.9043, 22.5574

## Deuteranomaly

24.1022, 21.0134, 18.4085

## Tritanomaly

28.9123, 21.3384, 17.6338

# Monochromacy



## Original Color

29.3525, 21.3911, 19.1048

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

23.0654, 21.0875, 21.9234

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.3525, 21.3911, 19.1048 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(192, 99, 116)` looks like.

```
.text, #text, p{  
    color:rgb(192, 99, 116)  
}
```

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(192, 99, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 99, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 29.3525, 21.3911, 19.1048 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(192, 99, 116) }
```



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

```
.border{ border-color:rgb(192, 99, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 99, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 99, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 99, 116);  
box-shadow:4px 4px 4px 4px rgb(192, 99,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.3525, 21.3911, 19.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 99, 116) }
```

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

```
.background{ background-color: rgb(192, 99,  
116) }
```

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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