

# Converting Colors

XYZ(25.9178, 19.5448, 16.8345)

Have a look what the booklet for  
XYZ(25.9178, 19.5448, 16.8345)  
contains.

<b>XYZ(25.9504, 19.5428, 16.8724)</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(25.9504, 19.5428,  
16.8724)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4626D
RGB	180, 98, 109
RGB Percent	71%, 38%, 43%
CMY	0.2941, 0.6157, 0.5725
CMYK	0.00, 0.46, 0.39, 0.29
HSL	352°, 35%, 55%
HSV	352°, 46%, 71%
XYZ	25.9504, 19.5428, 16.8724
YIQ	123.7720, 45.3410, 20.8050

# Conversions

## Conversions Part 2

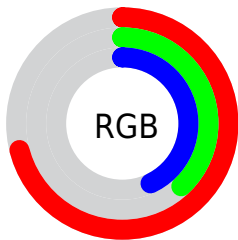
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 98, 109
Decimal	11821677
CIELab	51.32, 34.21, 8.64
CIElCh	51, 35.286, 14.171
Yxy	19.5428, 0.4161, 0.3134
Android (android.graphics.Color)	4290011757 (0xFFB4626D)
YUV	123.7720, -7.2826, 49.3120
Hunter-Lab	44.2072, 27.4199, 8.3161

# Details

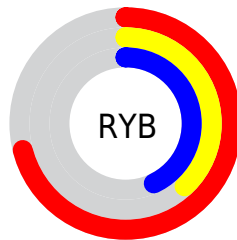
The XYZ color **25.9504, 19.5428, 16.8724** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **28.5207, 38.1042, 43.3900**, and the grayscale version is **19.0957, 20.0902, 21.8782**.

A 20% lighter version of the original color is **52.5114, 42.5279, 38.6988**, and **10.2386, 6.7468, 5.3201** is the 20% darker color. If you saturate the color by 10%, you get **23.6856, 16.2391, 12.3385**, and if you desaturate by 10%, it is **28.7437, 23.6654, 22.3169**.

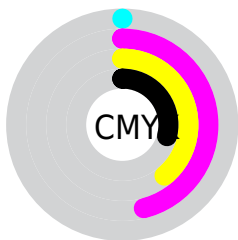
# Distribution



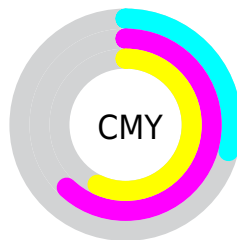
- Red (71%)
- Green (38%)
- Blue (43%)



- Red (71%)
- Yellow (38%)
- Blue (43%)



- Cyan (0%)
- Magenta (46%)
- Yellow (39%)
- Black (29%)



- Cyan (29%)
- Magenta (62%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9504, 19.5428, 16.8724 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 25.9504, 19.5428, 16.8724 by changing the saturation by 10% instead.



■ 25.9504, 19.5428,  
16.8724

■ 25.9504, 19.5428,  
16.8724

274.7997,  
249.4292, 246.4550

■ 16.9190, 12.0631,  
9.9826

■ 52.6268, 42.6493,  
38.8939

■ 10.2717, 6.7867,  
5.2819

■ 71.0025, 59.0450,  
54.8626

■ 5.6431, 3.3291,  
2.3520

■ 93.2237, 79.1814,  
74.6948

■ 2.6679, 1.3058,  
0.7601

■ 119.6558,  
103.4430, 98.8088

■ 0.9807, 0.1457,  
0.0000

150.6641,  
132.2142, 127.6233

■ 0.0000, 0.0000,  
0.0000

186.6139,

165.8794, 161.5568

227.8707,  
204.8229, 201.0279

■ 25.9504, 19.5428,  
16.8724

■ 25.9504, 19.5428,  
16.8724

■ 23.6856, 16.2391,  
12.3385

■ 28.7437, 23.6654,  
22.3169

■ 21.9143, 13.6967,  
8.6642

■ 32.0946, 28.6535,  
28.7170

■ 20.5994, 11.8555,  
5.7950

■ 36.0319, 34.5536,  
36.1162


■ 19.6981, 10.6448,  
3.6695


■ 40.5818, 41.4082,  
44.5547


■ 19.1575, 9.9764,  
2.2171


■ 45.7691, 49.2569,  
54.0706

 18.9887, 9.7698,  
1.7566

 51.6171, 58.1373,  
64.7003

 58.1480, 68.0848,  
76.4781

 65.3829, 79.1334,  
89.4371

 71.7244, 88.0801,  
103.0697

# Harmonies

## Analogous

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



25.8870, 19.5428, 27.0238



25.9504, 19.5428, 16.8724



23.8718, 19.5428, 10.4180

# Triad

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



25.9504, 19.5428, 16.8724



14.2417, 19.5428, 10.1732



16.7870, 19.5428, 45.9444

# Complementary

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



25.9504, 19.5428, 16.8724



28.5207, 38.1042, 43.3900

# 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.



14.1259, 19.5428, 37.8691



25.9504, 19.5428, 16.8724



12.7882, 19.5428, 16.4118

# Square

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



25.9504, 19.5428, 16.8724



16.9647, 19.5428, 7.4634



12.7487, 19.5428, 26.3924



20.2837, 19.5428, 46.1877



# Rectangle

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



25.9504, 19.5428, 16.8724



21.6866, 19.5428, 8.1543



12.7487, 19.5428, 26.3924



15.7760, 19.5428, 43.9640

# Sweetspot

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



25.9509, 19.5438, 16.8728



66.3524, 64.1848, 67.3865



28.6912, 20.3237, 45.5907



13.9863, 13.3393, 13.9026



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



25.9509, 19.5438, 16.8728



42.8060, 29.2407, 22.0851



28.5784, 25.6875, 15.0085



8.5412, 8.5232, 9.0825



13.2678, 6.8247, 1.3042



0.4321, 0.2206, 0.1180



# Inverse Universe

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



25.9509, 19.5438, 16.8728



42.8060, 29.2407, 22.0851



24.3910, 28.1227, 47.3227



8.5412, 8.5232, 9.0825



13.2678, 6.8247, 1.3042



0.4321, 0.2206, 0.1180



# Previews

## White Background



This preview shows how the XYZ color 25.9504, 19.5428, 16.8724 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 25.9504, 19.5428, 16.8724 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

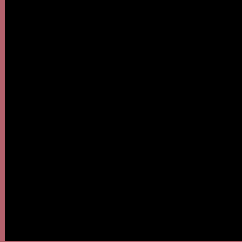
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 25.9504, 19.5428, 16.8724**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9504, 19.5428, 16.8724.



This preview shows how white text looks on a background with the XYZ color 25.9504, 19.5428,



# 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

25.9504, 19.5428, 16.8724

### Protanopia

18.9298, 19.6842, 21.2141

### Deuteranopia

20.0645, 19.6602, 16.3730



## Tritanopia

25.8857, 19.6676, 16.0676

# Trichromacy



## Original Color

25.9504, 19.5428, 16.8724

## Protanomaly

20.7931, 19.1144, 19.4231

## Deuteranomaly

21.8559, 19.3990, 16.5024

## Tritanomaly

25.9381, 19.6885, 16.3431

# Monochromacy



## Original Color

25.9504, 19.5428, 16.8724

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

20.9621, 19.5227, 20.1162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9504, 19.5428, 16.8724 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(180, 98, 109)` looks like.

```
.text, #text, p{  
    color:rgb(180, 98, 109)  
}
```

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(180, 98, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 98, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9504, 19.5428, 16.8724 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(180, 98, 109) }
```



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

```
.border{ border-color:rgb(180, 98, 109) }
```

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

Here you see how a box with a 4 pixel rgb(180, 98, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 98, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 98, 109);  
box-shadow:4px 4px 4px 4px rgb(180, 98,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9504, 19.5428, 16.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 98, 109) }
```

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

```
.background{ background-color: rgb(180, 98,  
109) }
```

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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