

# Converting Colors

XYZ(27.7315, 20.2703, 19.2799)

Have a look what the booklet for  
XYZ(27.7315, 20.2703, 19.2799)  
contains.

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# Color

**XYZ(27.7353, 20.2728,  
19.2809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA6175
RGB	186, 97, 117
RGB Percent	73%, 38%, 46%
CMY	0.2706, 0.6196, 0.5412
CMYK	0.00, 0.48, 0.37, 0.27
HSL	347°, 39%, 55%
HSV	347°, 48%, 73%
XYZ	27.7353, 20.2728, 19.2809
YIQ	125.8910, 46.6240, 25.0880

# Conversions

## Conversions Part 2

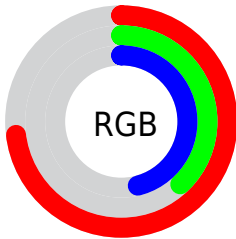
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 97, 117
Decimal	12214645
CIE Lab	52.14, 37.92, 5.18
CIE LCh	52, 38.268, 7.779
Yxy	20.2728, 0.4122, 0.3013
Android (android.graphics.Color)	4290404725 (0xFFBA6175)
YUV	125.8910, -4.3833, 52.7156
Hunter-Lab	45.0253, 31.1605, 6.1284

# Details

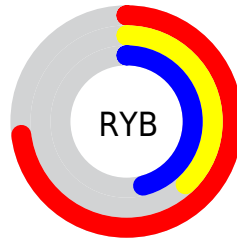
The XYZ color **27.7353, 20.2728, 19.2809** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **29.3726, 40.4129, 42.3309**, and the grayscale version is **19.7980, 20.8291, 22.6828**.

A 20% lighter version of the original color is **55.3760, 43.9104, 43.0930**, and **11.2571, 7.1295, 6.4130** is the 20% darker color. If you saturate the color by 10%, you get **25.4302, 16.9165, 14.6466**, and if you desaturate by 10%, it is **30.5751, 24.4892, 24.7383**.

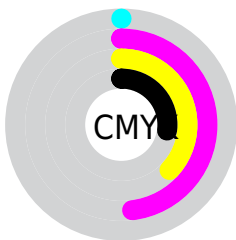
# Distribution



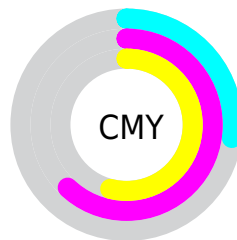
- Red (73%)
- Green (38%)
- Blue (46%)



- Red (73%)
- Yellow (38%)
- Blue (46%)



- Cyan (0%)
- Magenta (48%)
- Yellow (37%)
- Black (27%)



- Cyan (27%)
- Magenta (62%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7353, 20.2728, 19.2809 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 27.7353, 20.2728, 19.2809 by changing the saturation by 10% instead.





 27.7353, 20.2728,  
19.2809

 27.7353, 20.2728,  
19.2809

283.3030,  
253.3881, 260.4693


 18.2657, 12.5935,  
11.6946


 55.4732, 43.8741,  
43.0512


 11.2417, 7.1492,  
6.4161


 74.4721, 60.5649,  
60.0723

 6.2982, 3.5556,  
3.0268


 97.3782, 81.0282,  
81.0753

 3.0696, 1.4282,  
1.1083

 124.5567,  
105.6486, 106.4789

 1.1907, 0.2374,  
0.0000

156.3731,  
134.8104, 136.7016

 0.0990, 0.0000,  
0.0000

193.1927,

 0.0000, 0.0000,

168.8980, 172.1618

0.0000

235.3809,  
208.2958, 213.2782

■ 27.7353, 20.2728,  
19.2809

■ 27.7353, 20.2728,  
19.2809

■ 25.4302, 16.9165,  
14.6466

■ 30.5751, 24.4892,  
24.7383

■ 23.6235, 14.3577,  
10.7933

■ 33.9793, 29.6165,  
31.0556

■ 22.2770, 12.5301,  
7.6768


■ 37.9774, 35.7051,  
38.2689


■ 21.3460, 11.3554,  
5.2477


■ 42.5962, 42.8010,  
46.4115


■ 20.7649, 10.7147,  
3.4459

■ 47.8611, 50.9470,  
55.5153

 20.6639, 10.6048,  
3.1288

 53.7958, 60.1835,  
65.6105

 60.4230, 70.5488,  
76.7260

 67.7641, 82.0793,  
88.8896

 72.7657, 88.6615,  
101.1032

# Harmonies

## Analogous

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



27.1153, 20.2728, 31.2764



27.7353, 20.2728, 19.2809



25.8552, 20.2728, 11.3213

# Triad

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



27.7353, 20.2728, 19.2809



15.0133, 20.2728, 9.0381



16.5586, 20.2728, 48.6664

# Complementary

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



27.7353, 20.2728, 19.2809



29.3726, 40.4129, 42.3309

# 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.



13.9081, 20.2728, 38.0993



27.7353, 20.2728, 19.2809



13.1038, 20.2728, 14.8803

# Square

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



27.7353, 20.2728, 19.2809



18.2671, 20.2728, 6.8579



12.7285, 20.2728, 25.1238



20.3062, 20.2728, 51.0825



# Rectangle

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



27.7353, 20.2728, 19.2809



23.5696, 20.2728, 8.3926



12.7285, 20.2728, 25.1238



15.5257, 20.2728, 45.8109

# Sweetspot

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



27.7358, 20.2738, 19.2813



71.7303, 69.1523, 74.5025



28.7040, 20.1200, 48.8252



15.4096, 14.6358, 15.7215



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



27.7358, 20.2738, 19.2813



46.0578, 30.6106, 26.4737



29.2131, 24.9132, 14.5795



9.0850, 9.0444, 9.7953



13.9260, 7.1442, 2.2312



0.5148, 0.2614, 0.2043



# Inverse Universe

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



27.7358, 20.2738, 19.2813



46.0578, 30.6106, 26.4737



26.7609, 32.0221, 51.2249



9.0850, 9.0444, 9.7953



13.9260, 7.1442, 2.2312

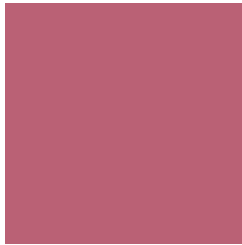


0.5148, 0.2614, 0.2043



# Previews

## White Background



This preview shows how the XYZ color 27.7353, 20.2728, 19.2809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

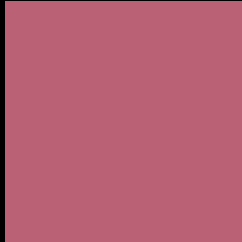
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 27.7353, 20.2728, 19.2809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

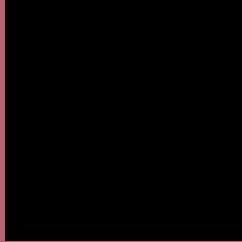
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.7353, 20.2728, 19.2809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.7353, 20.2728, 19.2809.



This preview shows how white text looks on a background with the XYZ color 27.7353, 20.2728,



# 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

27.7353, 20.2728, 19.2809

### Protanopia

19.8300, 20.4412, 24.7302

### Deuteranopia

20.6816, 20.2879, 18.4487



## Tritanopia

27.0709, 20.2786, 16.1230

# Trichromacy



## Original Color

27.7353, 20.2728, 19.2809

## Protanomaly

21.8807, 19.7700, 22.7414

## Deuteranomaly

22.7361, 19.9713, 18.5761

## Tritanomaly

27.1897, 20.1754, 17.2130

# Monochromacy



## Original Color

27.7353, 20.2728, 19.2809

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

21.9186, 19.9874, 21.4416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.7353, 20.2728, 19.2809 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(186, 97, 117)` looks like.

```
.text, #text, p{  
    color:rgb(186, 97, 117)  
}
```

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(186, 97, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 97, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 27.7353, 20.2728, 19.2809 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(186, 97, 117) }
```



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

```
.border{ border-color:rgb(186, 97, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 97, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 97, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 97, 117);  
box-shadow:4px 4px 4px 4px rgb(186, 97,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.7353, 20.2728, 19.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 97, 117) }
```

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

```
.background{ background-color: rgb(186, 97,  
117) }
```

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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