

# Converting Colors

XYZ(37.1616, 27.2646, 21.9215)

Have a look what the booklet for  
XYZ(37.1616, 27.2646, 21.9215)  
contains.

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# Color

**XYZ(36.9911, 27.0951,  
22.0191)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D66F7B
RGB	214, 111, 123
RGB Percent	84%, 44%, 48%
CMY	0.1608, 0.5647, 0.5176
CMYK	0.00, 0.48, 0.43, 0.16
HSL	353°, 56%, 64%
HSV	353°, 48%, 84%
XYZ	36.9911, 27.0951, 22.0191
YIQ	143.1650, 57.5360, 25.5680

# Conversions

## Conversions Part 2

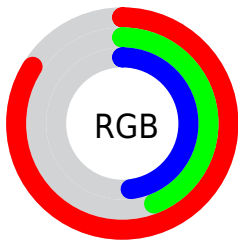
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 111, 123
Decimal	14053243
CIE <sub>Lab</sub>	59.06, 41.51, 12.02
CIE <sub>LCh</sub>	59, 43.216, 16.155
Yxy	27.0951, 0.4296, 0.3147
Android (android.graphics.Color)	4292243323 (0xFFD66F7B)
YUV	143.1650, -9.9413, 62.1223
Hunter-Lab	52.0530, 35.7572, 11.3566

# Details

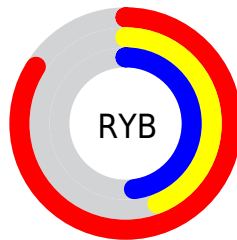
The XYZ color **36.9911, 27.0951, 22.0191** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.2642, 55.7374, 64.4641**, and the grayscale version is **26.1975, 27.5618, 30.0148**.

A 20% lighter version of the original color is **62.4330, 51.2654, 47.1621**, and **16.5103, 10.6903, 7.6718** is the 20% darker color. If you saturate the color by 10%, you get **33.8579, 22.5436, 15.6883**, and if you desaturate by 10%, it is **40.9136, 32.8594, 29.7413**.

# Distribution



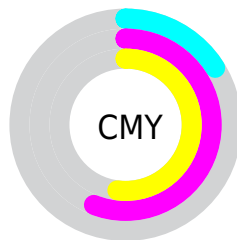
- Red (84%)
- Green (44%)
- Blue (48%)



- Red (84%)
- Yellow (44%)
- Blue (48%)



- Cyan (0%)
- Magenta (48%)
- Yellow (43%)
- Black (16%)




- Cyan (16%)
- Magenta (56%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9911, 27.0951, 22.0191 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 36.9911, 27.0951, 22.0191 by changing the saturation by 10% instead.





 36.9911, 27.0951,  
22.0191


 36.9911, 27.0951,  
22.0191


324.6282,  
288.1173, 275.6028


 25.3742, 17.6447,  
13.6725


 69.8730, 55.0364,  
47.6802


 16.4863, 10.6952,  
7.7571

 91.8688, 74.2961,  
65.8317

 9.9620, 5.8623,  
3.8544


 118.0549, 97.5943,  
88.0886

 5.4358, 2.7615,  
1.5458

 148.7967,  
125.3155, 114.8694

 2.5425, 1.0085,  
0.2517

184.4596,  
157.8440, 146.5927

 0.9168, 0.0000,  
0.0000

225.4089,

 0.0000, 0.0000,

195.5642, 183.6770

0.0000

272.0100,  
238.8605, 226.5408

■ 36.9911, 27.0951,  
22.0191

■ 36.9911, 27.0951,  
22.0191

■ 33.8579, 22.5436,  
15.6883

■ 40.9136, 32.8594,  
29.7413

■ 31.4582, 19.1142,  
10.6643

■ 45.6720, 39.9102,  
38.9296

■ 29.7318, 16.7103,  
6.8556


■ 51.3118, 48.3205,  
49.6552


■ 28.6084, 15.2171,  
4.1579


■ 57.8746, 58.1565,  
61.9841

■ 27.9901, 14.4691,  
2.4454

■ 65.3993, 69.4801,  
75.9785

 27.9061, 14.3659,  
2.2174

 73.9225, 82.3495,  
91.6972

 81.5414, 93.0361,  
108.2678

# Harmonies

## Analogous

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



37.1284, 27.0951, 37.1542



36.9911, 27.0951, 22.0191



33.5832, 27.0951, 12.9081

# Triad

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



36.9911, 27.0951, 22.0191



19.0044, 27.0951, 13.3999



23.3618, 27.0951, 68.5069

# Complementary

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



36.9911, 27.0951, 22.0191



41.2642, 55.7374, 64.4641

# 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.



19.2457, 27.0951, 56.3625



36.9911, 27.0951, 22.0191



16.9767, 27.0951, 22.9799

# Square

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



36.9911, 27.0951, 22.0191



22.9872, 27.0951, 9.2462



17.0584, 27.0951, 38.5129



28.7324, 27.0951, 67.9674



# Rectangle

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



36.9911, 27.0951, 22.0191



30.1541, 27.0951, 9.8859



17.0584, 27.0951, 38.5129



21.8025, 27.0951, 65.6302

# Sweetspot

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



36.9918, 27.0965, 22.0196



80.0309, 77.4321, 80.8637



42.1754, 28.7796, 66.9502



16.6885, 15.9127, 16.4769



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.



36.9918, 27.0965, 22.0196



50.1667, 33.2597, 22.9520



41.5853, 37.4125, 20.0704



12.4815, 12.4441, 13.2098



16.8873, 8.6912, 1.4445



1.0387, 0.5323, 0.1930



# Inverse Universe

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



36.9918, 27.0965, 22.0196



50.1667, 33.2597, 22.9520



33.9304, 38.7080, 69.3011



12.4815, 12.4441, 13.2098



16.8873, 8.6912, 1.4445



1.0387, 0.5323, 0.1930



# Previews

## White Background



This preview shows how the XYZ color 36.9911, 27.0951, 22.0191 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 36.9911, 27.0951, 22.0191 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 36.9911, 27.0951, 22.0191

## Background



This preview shows how black text looks on a background with the XYZ color 36.9911, 27.0951, 22.0191.



This preview shows how white text looks on a background with the XYZ color 36.9911, 27.0951,



# 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

36.9911, 27.0951, 22.0191

### Protanopia

26.1873, 27.3211, 28.3194

### Deuteranopia

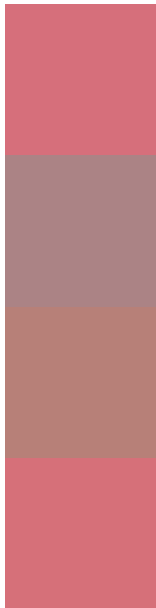
27.7925, 27.2226, 21.2424



## Tritanopia

36.9159, 27.2405, 21.0816

# Trichromacy



## Original Color

36.9911, 27.0951, 22.0191

## Protanomaly

29.1445, 26.5840, 25.7854

## Deuteranomaly

30.6378, 26.8617, 21.3393

## Tritanomaly

36.9769, 27.2650, 21.4029

# Monochromacy



## Original Color

36.9911, 27.0951, 22.0191

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

28.9224, 26.4452, 26.8726

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.9911, 27.0951, 22.0191 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(214, 111, 123)` looks like.

```
.text, #text, p{  
    color:rgb(214, 111, 123)  
}
```

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(214, 111, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 111, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 36.9911, 27.0951, 22.0191 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(214, 111, 123) }
```



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

```
.border{ border-color:rgb(214, 111, 123) }
```

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

Here you see how a box with a 4 pixel rgb(214, 111, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 111, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 111, 123);  
box-shadow:4px 4px 4px 4px rgb(214, 111,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.9911, 27.0951, 22.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 111, 123) }
```

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

```
.background{ background-color: rgb(214,  
111, 123) }
```

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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