

# Converting Colors

XYZ(36.3064, 27.1756, 44.6593)

Have a look what the booklet for  
XYZ(36.3064, 27.1756, 44.6593)  
contains.

<b>XYZ(36.1901, 27.1946, 44.4160)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(36.1901, 27.1946,  
44.4160)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C175B0
RGB	193, 117, 176
RGB Percent	76%, 46%, 69%
CMY	0.2431, 0.5412, 0.3098
CMYK	0.00, 0.39, 0.09, 0.24
HSL	313°, 38%, 61%
HSV	313°, 39%, 76%
XYZ	36.1901, 27.1946, 44.4160
YIQ	146.4500, 26.3570, 34.4610

# Conversions

## Conversions Part 2

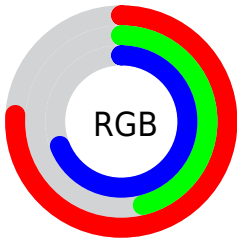
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 117, 176
Decimal	12678576
CIE <sub>Lab</sub>	59.15, 38.46, -18.75
CIE <sub>LCh</sub>	59, 42.787, 334.007
Yxy	27.1946, 0.3357, 0.2523
Android (android.graphics.Color)	4290868656 (0xFFC175B0)
YUV	146.4500, 14.5682, 40.8244
Hunter-Lab	52.1484, 32.6161, -13.9947

# Details

The XYZ color **36.1901, 27.1946, 44.4160** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.7103, 43.6440, 29.3615**, and the grayscale version is **27.4415, 28.8706, 31.4401**.

A 20% lighter version of the original color is **68.9121, 55.4612, 83.4170**, and **16.0046, 10.7298, 19.9664** is the 20% darker color. If you saturate the color by 10%, you get **33.7487, 22.9841, 41.5281**, and if you desaturate by 10%, it is **39.1104, 32.3401, 47.5311**.

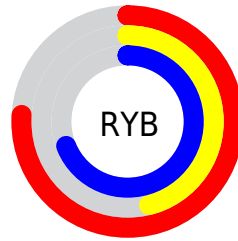
# Distribution



Red (76%)

Green (46%)

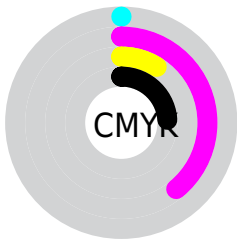
Blue (69%)



Red (76%)

Yellow (46%)

Blue (69%)

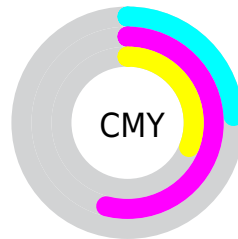


Cyan (0%)

Magenta (39%)

Yellow (9%)

Black (24%)



Cyan (24%)

Magenta (54%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1901, 27.1946, 44.4160 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 36.1901, 27.1946, 44.4160 by changing the saturation by 10% instead.





 36.1901, 27.1946,  
44.4160


 36.1901, 27.1946,  
44.4160


321.2074,  
288.5981, 380.4941


 24.7518, 17.7194,  
30.6581


 68.6473, 55.1960,  
83.1525

 16.0200, 10.7487,  
20.0824


 90.3970, 74.4910,  
108.9682

 9.6292, 5.8981,  
12.2703


 116.3145, 97.8280,  
139.6402

 5.2142, 2.7832,  
6.8032

146.7653,  
125.5916, 175.5870

 2.4095, 1.0196,  
3.2628

182.1146,  
158.1659, 217.2273

 0.8499, 0.0000,  
1.2303

222.7278,

 0.0000, 0.0000,

195.9355, 264.9796

0.0036

268.9703,  
239.2848, 319.2623

■ 0.0000, 0.0000,  
0.0000

■ 36.1901, 27.1946,  
44.4160

■ 36.1901, 27.1946,  
44.4160

■ 33.7487, 22.9841,  
41.5281

■ 39.1104, 32.3401,  
47.5311

■ 31.7547, 19.6476,  
38.8556

■ 42.5333, 38.4695,  
50.8811

■ 30.1771, 17.1223,  
36.3876


■ 46.4842, 45.6326,  
54.4753


■ 28.9795, 15.3359,  
34.1115


■ 50.9858, 53.8748,  
58.3220


■ 28.1190, 14.2028,  
32.0123


■ 56.0596, 63.2388,  
62.4287


 27.5184, 13.5688,  
30.0636

 61.7258, 73.7649,  
66.8030

 27.4837, 13.5340,  
29.9450

 68.0037, 85.4916,  
71.4517

 69.4528, 87.5377,  
74.5619

 70.0000, 87.7566,  
77.4432

# Harmonies

## Analogous

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



32.0097, 27.1946, 61.1900



36.1901, 27.1946, 44.4160



37.4702, 27.1946, 27.6075

# Triad

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



36.1901, 27.1946, 44.4160



25.1385, 27.1946, 8.9295



18.2529, 27.1946, 49.2325

# Complementary

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



36.1901, 27.1946, 44.4160



30.7103, 43.6440, 29.3615

# 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.



16.9176, 27.1946, 31.7077



36.1901, 27.1946, 44.4160



20.5320, 27.1946, 11.3430

# Square

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



36.1901, 27.1946, 44.4160



30.6013, 27.1946, 10.2958



17.6912, 27.1946, 18.5255



21.6137, 27.1946, 64.5760



# Rectangle

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



36.1901, 27.1946, 44.4160



36.3782, 27.1946, 19.2077



17.6912, 27.1946, 18.5255



17.5749, 27.1946, 43.2194

# Sweetspot

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



36.1909, 27.1958, 44.4166



81.1653, 77.9284, 95.7097



25.7349, 21.5989, 53.2653



17.2091, 16.3485, 20.3496



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.



36.1909, 27.1958, 44.4166



61.1044, 42.2911, 75.1978



32.9808, 25.9118, 27.5122



10.3977, 10.2077, 12.1851



18.3109, 9.0141, 20.0809



0.8155, 0.3992, 0.9959



# Inverse Universe

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



36.1909, 27.1958, 44.4166



61.1044, 42.2911, 75.1978



33.8024, 44.8808, 45.6440



10.3977, 10.2077, 12.1851



18.3109, 9.0141, 20.0809



0.8155, 0.3992, 0.9959



# Previews

## White Background



This preview shows how the XYZ color 36.1901, 27.1946, 44.4160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

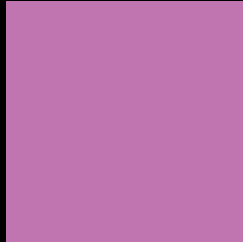
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.1901, 27.1946, 44.4160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

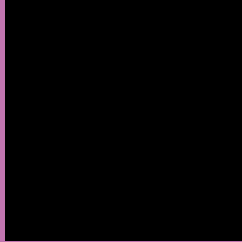
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 36.1901, 27.1946, 44.4160

## Background



This preview shows how black text looks on a background with the XYZ color 36.1901, 27.1946, 44.4160.



This preview shows how white text looks on a background with the XYZ color 36.1901, 27.1946,



# 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

36.1901, 27.1946, 44.4160

### Protanopia

28.0526, 27.4892, 54.2795

### Deuteranopia

27.9798, 27.4855, 42.8603



## Tritanopia

32.4458, 27.1079, 26.4439

# Trichromacy



**Original Color**

36.1901, 27.1946, 44.4160

**Protanomaly**

30.1698, 26.7658, 50.5899

**Deuteranomaly**

30.4920, 27.0967, 43.1582

**Tritanomaly**

33.6998, 27.0682, 32.3027

# Monochromacy



**Original Color**

36.1901, 27.1946, 44.4160

**Achromatopsia**

27.3213, 28.7441, 31.3023

**Achromatomaly**

29.8540, 27.5488, 35.6423

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1901, 27.1946, 44.4160 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(193, 117, 176)` looks like.

```
.text, #text, p{  
    color:rgb(193, 117, 176)  
}
```

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(193, 117, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 117, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1901, 27.1946, 44.4160 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".

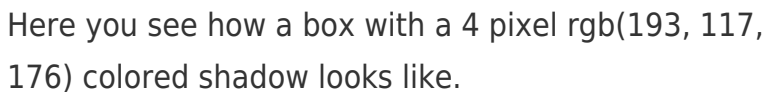
```
.border, #border, table{ border:4px solid rgb(193, 117, 176) }
```



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

```
.border{ border-color:rgb(193, 117, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 117, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 117, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 117, 176); box-shadow:4px 4px 4px 4px rgb(193, 117, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1901, 27.1946, 44.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 117, 176) }
```

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

```
.background{ background-color: rgb(193,  
117, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor