

# Converting Colors

XYZ(35.6649, 23.5017, 62.5540)

Have a look what the booklet for  
XYZ(35.6649, 23.5017, 62.5540)  
contains.

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# Color

**XYZ(35.7604, 23.6037,  
62.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B962D0
RGB	185, 98, 208
RGB Percent	73%, 38%, 82%
CMY	0.2745, 0.6157, 0.1843
CMYK	0.11, 0.53, 0.00, 0.18
HSL	287°, 54%, 60%
HSV	287°, 53%, 82%
XYZ	35.7604, 23.6037, 62.3457
YIQ	136.5530, 16.5420, 52.6540

# Conversions

## Conversions Part 2

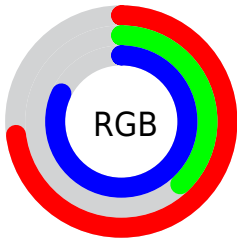
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 98, 208
Decimal	12149456
CIE <sub>Lab</sub>	55.69, 51.96, -42.48
CIE <sub>LCh</sub>	56, 67.109, 320.732
Yxy	23.6037, 0.2938, 0.1939
Android (android.graphics.Color)	4290339536 (0xFFB962D0)
YUV	136.5530, 35.2234, 42.4880
Hunter-Lab	48.5836, 46.3651, -42.0763

# Details

The XYZ color **35.7604, 23.6037, 62.3457** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.6464, 50.0591, 19.4980**, and the grayscale version is **23.4775, 24.7001, 26.8984**.

A 20% lighter version of the original color is **66.2404, 48.7312, 100.5225**, and **15.7414, 8.8438, 31.0144** is the 20% darker color. If you saturate the color by 10%, you get **33.0281, 19.6722, 61.7312**, and if you desaturate by 10%, it is **39.0321, 28.5649, 63.1312**.

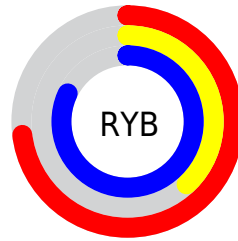
# Distribution



Red (73%)

Green (38%)

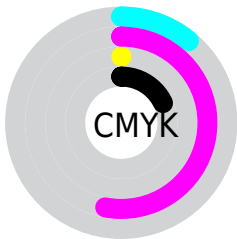
Blue (82%)



Red (73%)

Yellow (38%)

Blue (82%)

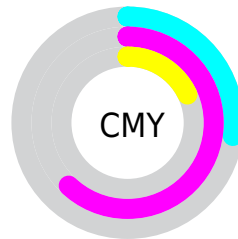


Cyan (11%)

Magenta (53%)

Yellow (0%)

Black (18%)



Cyan (27%)

Magenta (62%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7604, 23.6037, 62.3457 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 35.7604, 23.6037, 62.3457 by changing the saturation by 10% instead.



 35.7604, 23.6037,  
62.3457


 35.7604, 23.6037,  
62.3457


319.3616,  
270.8107, 451.2334

 24.4185, 15.0399,  
44.8745


 67.9884, 49.3827,  
109.8014


 15.7707, 8.8474,  
31.0164


 89.6051, 67.3667,  
140.6231

 9.4519, 4.6418,  
20.3527


 115.3775, 89.2596,  
176.7319

 5.0965, 2.0387,  
12.4651

 145.6709,  
115.4457, 218.5465

 2.3394, 0.6298,  
6.9349

180.8507,  
146.3095, 266.4854

 0.8147, 0.0000,  
3.3436

221.2821,

 0.0000, 0.0000,

182.2354, 320.9672

1.2726

267.3307,  
223.6076, 382.4103

■ 0.0000, 0.0000,  
0.0392

■ 0.0000, 0.0000,  
0.0000

■ 35.7604, 23.6037,  
62.3457

■ 35.7604, 23.6037,  
62.3457

■ 33.0281, 19.6722,  
61.7312

■ 39.0321, 28.5649,  
63.1312

■ 30.7923, 16.6873,  
61.2729


■ 42.8767, 34.6244,  
64.0982


■ 29.0075, 14.5575,  
60.9559


■ 47.3278, 41.8485,  
65.2580


■ 27.6179, 13.1718,  
60.7617


■ 52.4156, 50.2971,  
66.6206


 26.8006, 12.5010,  
60.6753

 58.1682, 60.0261,  
68.1953

 64.6121, 71.0880,  
69.9908

 71.7722, 83.5321,  
72.0154

 76.5981, 91.2576,  
73.2522

 77.9300, 91.9442,  
73.3145

# Harmonies

## Analogous

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



28.0170, 23.6037, 88.0975



35.7604, 23.6037, 62.3457



40.1739, 23.6037, 33.0491

# Triad

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



35.7604, 23.6037, 62.3457



24.8720, 23.6037, 2.5697



11.3528, 23.6037, 43.5503

# Complementary

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



35.7604, 23.6037, 62.3457



32.6464, 50.0591, 19.4980

# 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.



10.8797, 23.6037, 19.5308



35.7604, 23.6037, 62.3457



17.6478, 23.6037, 3.0647

# Square

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



35.7604, 23.6037, 62.3457



33.0165, 23.6037, 5.0054



12.9143, 23.6037, 7.2666



14.3963, 23.6037, 73.6418



# Rectangle

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



35.7604, 23.6037, 62.3457



40.0784, 23.6037, 18.6666



12.9143, 23.6037, 7.2666



10.9197, 23.6037, 34.3106

# Sweetspot

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



35.7613, 23.6047, 62.3462



80.3181, 75.0922, 104.8688



23.3621, 21.0299, 62.5027



16.8288, 15.4701, 22.3490



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.



35.7613, 23.6047, 62.3462



52.0277, 30.7244, 97.7960



38.3000, 25.3138, 44.3762



12.0587, 11.8791, 14.9010



16.7862, 7.8339, 37.8199



1.0008, 0.4701, 2.1176



# Inverse Universe

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



33.8320, 23.5266, 20.8480



49.1662, 30.8847, 23.7713



31.5672, 49.2984, 28.6798



11.9084, 11.8481, 12.7936



16.5186, 8.4803, 2.3711



0.9532, 0.4860, 0.2885



# Previews

## White Background



This preview shows how the XYZ color 35.7604, 23.6037, 62.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

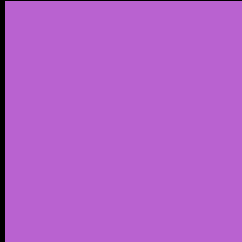
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 35.7604, 23.6037, 62.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

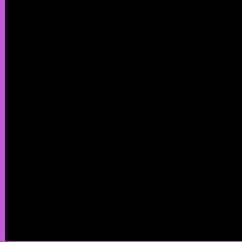
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.7604, 23.6037, 62.3457**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7604, 23.6037, 62.3457.



This preview shows how white text looks on a background with the XYZ color 35.7604, 23.6037,



# 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

35.7604, 23.6037, 62.3457

### Protanopia

27.0714, 24.0231, 84.0990

### Deuteranopia

24.4096, 23.8169, 58.5689



## Tritanopia

27.7648, 23.4878, 23.1489

# Trichromacy



## Original Color

35.7604, 23.6037, 62.3457



## Protanomaly

28.2287, 22.5679, 75.5413



## Deuteranomaly

27.1313, 22.6981, 60.0779



## Tritanomaly

30.0453, 23.2342, 34.3536

# Monochromacy



## Original Color

35.7604, 23.6037, 62.3457



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

27.0202, 23.6803, 37.7970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7604, 23.6037, 62.3457 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(185, 98, 208)` looks like.

```
.text, #text, p{  
    color:rgb(185, 98, 208)  
}
```

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(185, 98, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 98, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7604, 23.6037, 62.3457 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(185, 98, 208) }
```



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

```
.border{ border-color:rgb(185, 98, 208) }
```

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

Here you see how a box with a 4 pixel rgb(185, 98, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 98, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 98, 208);  
box-shadow:4px 4px 4px 4px rgb(185, 98,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7604, 23.6037, 62.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 98, 208) }
```

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

```
.background{ background-color: rgb(185, 98,  
208) }
```

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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