

Converting Colors

XYZ(37.6196, 23.1719, 66.1082)

Have a look what the booklet for
XYZ(37.6196, 23.1719, 66.1082)
contains.

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Color

**XYZ(37.6196, 23.1719,
66.1082)**

Conversions

Conversions Part 1

Format	Color
Hex	C158D6
RGB	193, 88, 214
RGB Percent	76%, 35%, 84%
CMY	0.2431, 0.6549, 0.1608
CMYK	0.10, 0.59, 0.00, 0.16
HSL	290°, 61%, 59%
HSV	290°, 59%, 84%
XYZ	37.6196, 23.1719, 66.1082
YIQ	133.7590, 22.1340, 61.4460

Conversions

Conversions Part 2

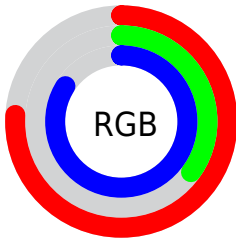
Format	Color
R_{YB}	193, 88, 214
Decimal	12671190
CIE _{Lab}	55.25, 60.00, -46.51
CIE _{LCh}	55, 75.917, 322.219
Yxy	23.1719, 0.2965, 0.1826
Android (android.graphics.Color)	4290861270 (0xFFC158D6)
YUV	133.7590, 39.5588, 51.9544
Hunter-Lab	48.1372, 55.2591, -47.7286

Details

The XYZ color **37.6196, 23.1719, 66.1082** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **32.1154, 52.0495, 17.5873**, and the grayscale version is **22.4264, 23.5943, 25.6942**.

A 20% lighter version of the original color is **68.0173, 47.5604, 100.2029**, and **16.8507, 8.6162, 33.5758** is the 20% darker color. If you saturate the color by 10%, you get **35.2157, 19.6970, 65.5645**, and if you desaturate by 10%, it is **40.5626, 27.6909, 66.8257**.

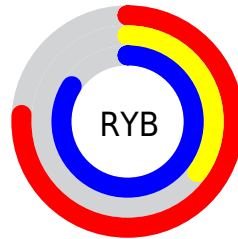
Distribution



Red (76%)

Green (35%)

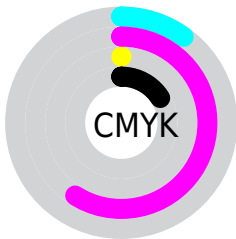
Blue (84%)



Red (76%)

Yellow (35%)

Blue (84%)

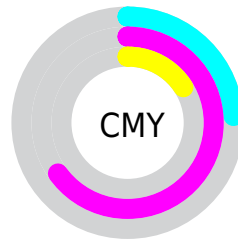


Cyan (10%)

Magenta (59%)

Yellow (0%)

Black (16%)



Cyan (24%)

Magenta (65%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6196, 23.1719, 66.1082 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 37.6196, 23.1719, 66.1082 by changing the saturation by 10% instead.

37.6196, 23.1719,
66.1082

37.6196, 23.1719,
66.1082

327.2945,
268.6067, 465.1785

25.8635, 14.7205,
47.9032

70.8324, 48.6754,
115.2701

16.8537, 8.6235,
33.3908

93.0197, 66.4963,
147.0641

10.2249, 4.4964,
22.1524

119.4148, 88.2092,
184.2248

5.6117, 1.9549,
13.7696

150.3831,
114.1984, 227.1708

2.6488, 0.5811,
7.8236

186.2898,
144.8484, 276.3207

0.9709, 0.0000,
3.8962

227.5004,

0.0000, 0.0000,

180.5435, 332.0929

1.5686

274.3801,
221.6681, 394.9060

■ 0.0000, 0.0000,
0.2682

■ 0.0000, 0.0000,
0.0000

■ 37.6196, 23.1719,
66.1082

■ 37.6196, 23.1719,
66.1082

■ 35.2157, 19.6970,
65.5645

■ 40.5626, 27.6909,
66.8257

■ 33.3016, 17.1701,
65.1777

■ 44.0832, 33.3331,
67.7292

■ 31.8231, 15.4822,
64.9298

■ 48.2192, 40.1732,
68.8315

■ 30.6931, 14.4595,
64.7920

■ 53.0045, 48.2786,
70.1438

■ 30.5747, 14.3597,
64.7789

■ 58.4704, 57.7118,
71.6765

■ 64.6461, 68.5310,
73.4393

■ 71.5592, 80.7909,
75.4413

■ 77.8794, 91.8312,
77.2392

■ 78.9805, 92.3989,
77.2908

Harmonies

Analogous

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



28.7958, 23.1719, 98.0335



37.6196, 23.1719, 66.1082



42.4942, 23.1719, 32.1083

Triad

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



37.6196, 23.1719, 66.1082



24.3105, 23.1719, 1.4702



10.1000, 23.1719, 47.3743

Complementary

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



37.6196, 23.1719, 66.1082



32.1154, 52.0495, 17.5873

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.



9.4814, 23.1719, 19.4121



37.6196, 23.1719, 66.1082



16.4073, 23.1719, 1.9765

Square

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



37.6196, 23.1719, 66.1082



33.6227, 23.1719, 3.3776



11.4730, 23.1719, 6.0533



13.4566, 23.1719, 83.1987

Rectangle

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



37.6196, 23.1719, 66.1082



42.1548, 23.1719, 16.5687



11.4730, 23.1719, 6.0533



9.6071, 23.1719, 36.4816

Sweetspot

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



37.6205, 23.1729, 66.1087



79.3564, 72.7079, 104.4592



21.6316, 17.8680, 65.9275



16.5114, 14.7526, 22.2272



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.



37.6205, 23.1729, 66.1087



51.4925, 28.0904, 97.3158



38.6684, 24.2550, 41.6743



12.7404, 12.5231, 15.6832



18.5563, 8.7186, 39.1580



1.1744, 0.5543, 2.3644

Inverse Universe

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



33.9823, 22.3806, 16.9977



46.1905, 27.1529, 15.9363



32.1011, 51.7801, 29.4228



12.5069, 12.4542, 13.3434



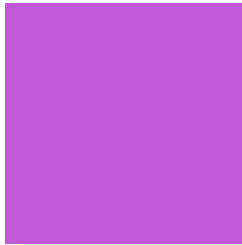
16.9773, 8.7272, 1.9183



1.0506, 0.5370, 0.2558

Previews

White Background



This preview shows how the XYZ color 37.6196, 23.1719, 66.1082 looks on a white background.

Color Contrast Check

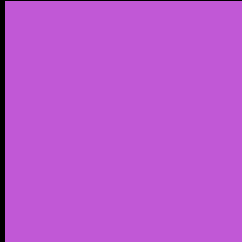
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6196, 23.1719, 66.1082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

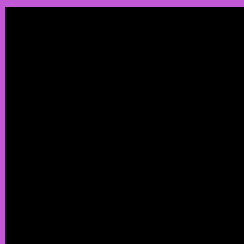
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6196, 23.1719, 66.1082

Background



This preview shows how black text looks on a background with the XYZ color 37.6196, 23.1719, 66.1082.



This preview shows how white text looks on a background with the XYZ color 37.6196, 23.1719,

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

37.6196, 23.1719, 66.1082

Protanopia

27.6298, 23.8491, 96.0756

Deuteranopia

24.0079, 23.3384, 61.6319



Tritanopia

28.4740, 23.0392, 21.3586

Trichromacy



Original Color

37.6196, 23.1719, 66.1082



Protanomaly

28.0277, 21.5816, 84.3498



Deuteranomaly

26.9599, 21.8401, 63.1162



Tritanomaly

30.8743, 22.5815, 33.7418

Monochromacy



Original Color

37.6196, 23.1719, 66.1082



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.4897, 22.3355, 37.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6196, 23.1719, 66.1082 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, 88, 214)` looks like.

```
.text, #text, p{  
    color:rgb(193, 88, 214)  
}
```

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, 88, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 88, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.6196, 23.1719, 66.1082 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, 88, 214) }
```


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

```
.border{ border-color:rgb(193, 88, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 88, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 88, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 88, 214);  
box-shadow:4px 4px 4px 4px rgb(193, 88,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6196, 23.1719, 66.1082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 88, 214) }
```

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

```
.background{ background-color: rgb(193, 88,  
214) }
```

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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