

Converting Colors

XYZ(37.8468, 27.6988, 45.6150)

Have a look what the booklet for
XYZ(37.8468, 27.6988, 45.6150)
contains.

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Color

**XYZ(37.7198, 27.6179,
45.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	C773B2
RGB	199, 115, 178
RGB Percent	78%, 45%, 70%
CMY	0.2196, 0.5490, 0.3020
CMYK	0.00, 0.42, 0.11, 0.22
HSL	315°, 43%, 62%
HSV	315°, 42%, 78%
XYZ	37.7198, 27.6179, 45.4622
YIQ	147.2980, 29.8410, 37.4010

Conversions

Conversions Part 2

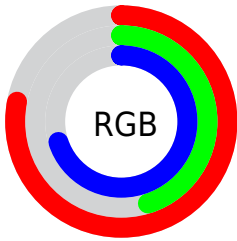
Format	Color
R _{YB}	199, 115, 178
Decimal	13071282
CIE Lab	59.54, 41.82, -19.24
CIE LCh	60, 46.036, 335.297
Yxy	27.6179, 0.3404, 0.2493
Android (android.graphics.Color)	4291261362 (0xFFC773B2)
YUV	147.2980, 15.1361, 45.3427
Hunter-Lab	52.5527, 36.1513, -14.5035

Details

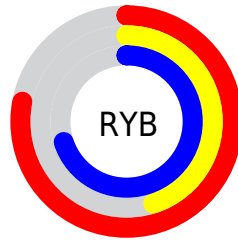
The XYZ color **37.7198, 27.6179, 45.4622** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.9388, 46.2702, 30.5421**, and the grayscale version is **27.7879, 29.2350, 31.8369**.

A 20% lighter version of the original color is **70.2792, 55.5764, 84.8651**, and **16.8628, 10.9871, 20.6340** is the 20% darker color. If you saturate the color by 10%, you get **35.2004, 23.3636, 42.2024**, and if you desaturate by 10%, it is **40.7489, 32.8615, 48.9818**.

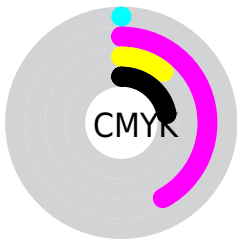
Distribution



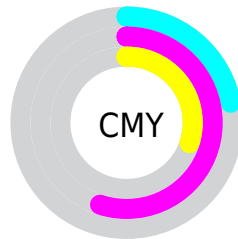
- Red (78%)
- Green (45%)
- Blue (70%)



- Red (78%)
- Yellow (45%)
- Blue (70%)



- Cyan (0%)
- Magenta (42%)
- Yellow (11%)
- Black (22%)





- Cyan (22%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7198, 27.6179, 45.4622 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 37.7198, 27.6179, 45.4622 by changing the saturation by 10% instead.


 37.7198, 27.6179,
45.4622


 37.7198, 27.6179,
45.4622


327.7181,
290.6366, 384.8568


 25.9415, 18.0378,
31.4760


 70.9851, 55.8738,
84.7393

 16.9123, 10.9771,
20.7001

 93.2029, 75.3185,
110.8674

 10.2669, 6.0515,
12.7159


 119.6312, 98.8201,
141.8799

 5.6399, 2.8764,
7.1048

150.6354,
126.7630, 178.1952

 2.6660, 1.0676,
3.4483

186.5808,
159.5318, 220.2321

 0.9797, 0.0000,
1.3278

227.8328,

 0.0000, 0.0000,

197.5107, 268.4090

0.0844

274.7568,
241.0842, 323.1444

■ 0.0000, 0.0000,
0.0000

■ 37.7198, 27.6179,
45.4622

■ 37.7198, 27.6179,
45.4622

■ 35.2004, 23.3636,
42.2024

■ 40.7489, 32.8615,
48.9818

■ 33.1560, 20.0312,
39.1891

■ 44.3142, 39.1488,
52.7703

■ 31.5517, 17.5507,
36.4101

■ 48.4435, 46.5345,
56.8380

■ 30.3466, 15.8403,
33.8507

■ 53.1619, 55.0684,
61.1941

■ 29.4915, 14.8023,
31.4935

■ 58.4929, 64.7975,
65.8475

■ 28.9981, 14.3201,
29.7733

■ 64.4588, 75.7658,
70.8064

■ 71.0807, 88.0152,
76.0786

■ 71.9426, 88.7139,
79.5264

■ 72.6029, 88.9780,
83.0035

Harmonies

Analogous

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



33.2232, 27.6179, 64.3253



37.7198, 27.6179, 45.4622



38.9702, 27.6179, 27.2223

Triad

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



37.7198, 27.6179, 45.4622



25.2354, 27.6179, 8.1843



18.1712, 27.6179, 52.5149

Complementary

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



37.7198, 27.6179, 45.4622



31.9388, 46.2702, 30.5421

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.



16.6512, 27.6179, 33.1122



37.7198, 27.6179, 45.4622



20.3279, 27.6179, 10.8322

Square

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



37.7198, 27.6179, 45.4622



31.1833, 27.6179, 9.4091



17.3786, 27.6179, 18.6170



21.8665, 27.6179, 69.3375

Rectangle

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



37.7198, 27.6179, 45.4622



37.6577, 27.6179, 18.4000



17.3786, 27.6179, 18.6170



17.4157, 27.6179, 45.8584

Sweetspot

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



37.7207, 27.6192, 45.4628



84.0655, 80.1205, 98.7969



26.5941, 21.6207, 56.8050



17.6329, 16.5018, 20.7983



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.



37.7207, 27.6192, 45.4628



61.8173, 41.2146, 74.1460



34.1289, 26.1825, 26.5489



10.9654, 10.7696, 12.8012



18.6828, 9.2227, 19.3372



0.9124, 0.4478, 1.0616

Inverse Universe

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



37.7207, 27.6192, 45.4628



61.8173, 41.2146, 74.1460



35.5306, 47.7069, 49.4562



10.9654, 10.7696, 12.8012



18.6828, 9.2227, 19.3372



0.9124, 0.4478, 1.0616

Previews

White Background



This preview shows how the XYZ color 37.7198, 27.6179, 45.4622 looks on a white background.

Color Contrast Check

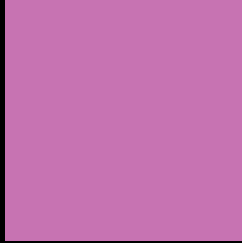
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7198, 27.6179, 45.4622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

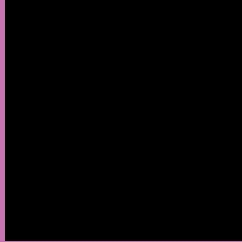
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7198, 27.6179, 45.4622

Background



This preview shows how black text looks on a background with the XYZ color 37.7198, 27.6179, 45.4622.



This preview shows how white text looks on a background with the XYZ color 37.7198, 27.6179,

45.4622.

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

37.7198, 27.6179, 45.4622

Protanopia

28.6184, 27.9352, 57.3098

Deuteranopia

28.3954, 27.9065, 43.4251



Tritanopia

33.6894, 27.5781, 25.7378

Trichromacy



Original Color

37.7198, 27.6179, 45.4622



Protanomaly

30.7921, 27.0364, 52.8858



Deuteranomaly

31.0934, 27.3842, 44.2043



Tritanomaly

35.0271, 27.5804, 31.9112

Monochromacy



Original Color

37.7198, 27.6179, 45.4622



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

30.5614, 27.9036, 36.1229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7198, 27.6179, 45.4622 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(199, 115, 178)` looks like.

```
.text, #text, p{  
    color:rgb(199, 115, 178)  
}
```

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(199, 115, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 115, 178) }
```

Border

The CSS property to change the border of an element to XYZ 37.7198, 27.6179, 45.4622 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(199, 115, 178) }
```


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

```
.border{ border-color:rgb(199, 115, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 115, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 115, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 115, 178);  
box-shadow:4px 4px 4px 4px rgb(199, 115,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7198, 27.6179, 45.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 115, 178) }
```

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

```
.background{ background-color: rgb(199,  
115, 178) }
```

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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