

Converting Colors

XYZ(39.6646, 27.1342, 61.0303)

Have a look what the booklet for
XYZ(39.6646, 27.1342, 61.0303)
contains.

XYZ(39.6707, 27.1387, 60.9050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.6707, 27.1387,
60.9050)**

Conversions

Conversions Part 1

Format	Color
Hex	C66CCD
RGB	198, 108, 205
RGB Percent	78%, 42%, 80%
CMY	0.2235, 0.5765, 0.1961
CMYK	0.03, 0.47, 0.00, 0.20
HSL	296°, 49%, 61%
HSV	296°, 47%, 80%
XYZ	39.6707, 27.1387, 60.9050
YIQ	145.9680, 22.5030, 49.2470

Conversions

Conversions Part 2

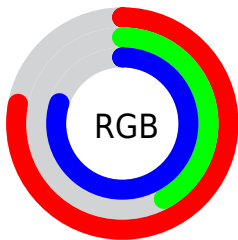
Format	Color
RYB	198, 108, 205
Decimal	13003981
CIELab	59.10, 49.95, -35.30
CIELCh	59, 61.162, 324.747
Yxy	27.1387, 0.3106, 0.2125
Android (android.graphics.Color)	4291194061 (0xFFC66CCD)
YUV	145.9680, 29.1028, 45.6321
Hunter-Lab	52.0948, 44.7635, -32.8506

Details

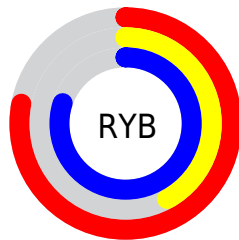
The XYZ color **39.6707, 27.1387, 60.9050** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.6092, 48.3908, 21.8631**, and the grayscale version is **27.1876, 28.6034, 31.1492**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **18.0265, 10.6852, 29.9665** is the 20% darker color. If you saturate the color by 10%, you get **37.3697, 23.1121, 60.2495**, and if you desaturate by 10%, it is **42.4856, 32.1862, 61.7313**.

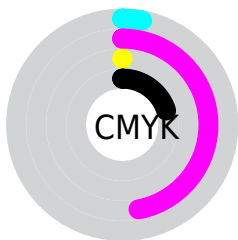
Distribution



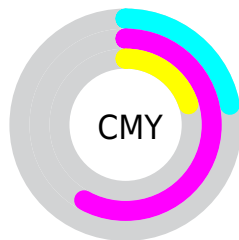
- Red (78%)
- Green (42%)
- Blue (80%)



- Red (78%)
- Yellow (42%)
- Blue (80%)



- Cyan (3%)
- Magenta (47%)
- Yellow (0%)
- Black (20%)





- Cyan (22%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6707, 27.1387, 60.9050 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 39.6707, 27.1387, 60.9050 by changing the saturation by 10% instead.


 39.6707, 27.1387,
60.9050


 39.6707, 27.1387,
60.9050


335.8919,
288.3281, 445.8225

 27.4650, 17.6774,
43.7184


 73.9493, 55.1064,
107.6976


 18.0611, 10.7186,
30.1137

 96.7529, 74.3815,
138.1406

 11.0938, 5.8780,
19.6721


 123.8199, 97.6968,
173.8397

 6.1977, 2.7710,
11.9752

 155.5155,
125.4365, 215.2131

 3.0075, 1.0134,
6.6045

192.2052,
157.9851, 262.6796

 1.1577, 0.0000,
3.1413

234.2542,

 0.0726, 0.0000,

195.7269, 316.6576

1.1672

282.0280,
239.0465, 377.5658

■ 0.0000, 0.0000,
0.0000

■ 39.6707, 27.1387,
60.9050

■ 39.6707, 27.1387,
60.9050

■ 37.3697, 23.1121,
60.2495

■ 42.4856, 32.1862,
61.7313

■ 35.5437, 20.0305,
59.7509

■ 45.8444, 38.3162,
62.7375

■ 34.1526, 17.8131,
59.3962


■ 49.7778, 45.5899,
63.9341


■ 33.1486, 16.3643,
59.1695

■ 54.3136, 54.0627,
65.3305


■ 32.4659, 15.5525,
59.0488


■ 59.4777, 63.7866,
66.9352

 32.3067, 15.3817,
59.0242

 65.2947, 74.8102,
68.7564

 71.7875, 87.1798,
70.8018

 73.3111, 89.6053,
71.1896

 73.7338, 89.8233,
71.2094

Harmonies

Analogous

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



32.4118, 27.1387, 86.2206



39.6707, 27.1387, 60.9050



43.2647, 27.1387, 33.5510

Triad

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



39.6707, 27.1387, 60.9050



27.1563, 27.1387, 4.3904



14.6646, 27.1387, 50.7721

Complementary

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



39.6707, 27.1387, 60.9050



31.6092, 48.3908, 21.8631

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.



13.8028, 27.1387, 25.8794



39.6707, 27.1387, 60.9050



20.1454, 27.1387, 5.5023

Square

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



39.6707, 27.1387, 60.9050



35.1870, 27.1387, 6.8493



15.6025, 27.1387, 11.3716



18.2426, 27.1387, 78.6277

Rectangle

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



39.6707, 27.1387, 60.9050



42.6741, 27.1387, 20.1209



15.6025, 27.1387, 11.3716



14.0816, 27.1387, 41.5412

Sweetspot

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



39.6716, 27.1399, 60.9056



83.7584, 78.8144, 105.4059



23.4600, 20.1073, 60.4026



17.5942, 16.2482, 22.4588



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.



39.6716, 27.1399, 60.9056



61.0742, 37.6212, 98.6504



37.2939, 26.4069, 38.5313



11.6046, 11.3610, 14.1516



20.1464, 9.5934, 36.7461



1.0638, 0.5075, 1.8968

Inverse Universe

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



33.6348, 24.9432, 19.2626



50.1768, 33.6959, 21.6727



33.3950, 49.0028, 35.8899



11.2446, 11.2266, 11.8228



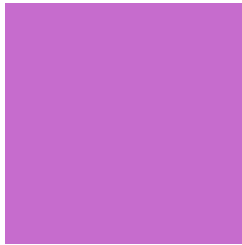
15.7396, 8.1064, 1.0817



0.8237, 0.4229, 0.1175

Previews

White Background



This preview shows how the XYZ color 39.6707, 27.1387, 60.9050 looks on a white background.

Color Contrast Check

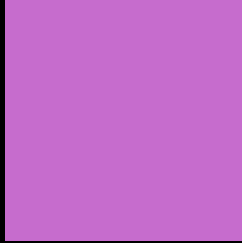
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6707, 27.1387, 60.9050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

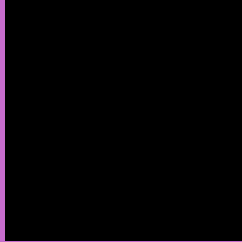
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6707, 27.1387, 60.9050

Background



This preview shows how black text looks on a background with the XYZ color 39.6707, 27.1387, 60.9050.

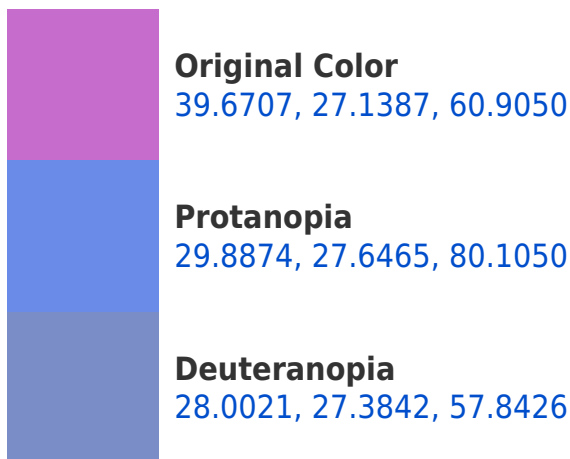


This preview shows how white text looks on a background with the XYZ color 39.6707, 27.1387,

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





Tritanopia

32.6230, 27.2073, 26.0864

Trichromacy



Original Color

39.6707, 27.1387, 60.9050



Protanomaly

31.5514, 26.2012, 72.5016



Deuteranomaly

30.9705, 26.4016, 58.7220



Tritanomaly

34.6802, 26.9382, 36.6294

Monochromacy



Original Color

39.6707, 27.1387, 60.9050



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

30.7434, 27.2919, 40.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6707, 27.1387, 60.9050 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(198, 108, 205)` looks like.

```
.text, #text, p{  
    color:rgb(198, 108, 205)  
}
```

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(198, 108, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 108, 205) }
```

Border

The CSS property to change the border of an element to XYZ 39.6707, 27.1387, 60.9050 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(198, 108, 205) }
```


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

```
.border{ border-color:rgb(198, 108, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 108, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 108, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 108, 205);  
box-shadow:4px 4px 4px 4px rgb(198, 108,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6707, 27.1387, 60.9050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 108, 205) }
```

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

```
.background{ background-color: rgb(198,  
108, 205) }
```

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