

Converting Colors

XYZ(39.8091, 30.2158, 67.0058)

Have a look what the booklet for
XYZ(39.8091, 30.2158, 67.0058)
contains.

XYZ(39.7208, 30.1649, 66.6797)	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(39.7208, 30.1649,
66.6797)**

Conversions

Conversions Part 1

Format	Color
Hex	BA7ED5
RGB	186, 126, 213
RGB Percent	73%, 49%, 84%
CMY	0.2706, 0.5059, 0.1647
CMYK	0.13, 0.41, 0.00, 0.16
HSL	281°, 51%, 66%
HSV	281°, 41%, 84%
XYZ	39.7208, 30.1649, 66.6797
YIQ	153.8580, 7.8330, 39.7770

Conversions

Conversions Part 2

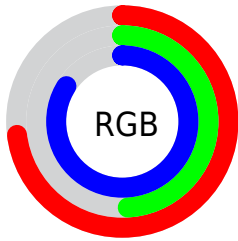
Format	Color
RYB	186, 126, 213
Decimal	12222165
CIELab	61.80, 38.49, -35.71
CIELCh	62, 52.505, 317.148
Yxy	30.1649, 0.2909, 0.2209
Android (android.graphics.Color)	4290412245 (0xFFBA7ED5)
YUV	153.8580, 29.1570, 28.1885
Hunter-Lab	54.9226, 32.9792, -33.5362

Details

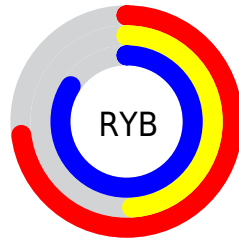
The XYZ color **39.7208, 30.1649, 66.6797** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **40.6979, 55.8679, 28.3785**, and the grayscale version is **30.5277, 32.1175, 34.9760**.

A 20% lighter version of the original color is **71.3334, 58.9172, 102.2202**, and **18.0477, 12.3261, 33.7757** is the 20% darker color. If you saturate the color by 10%, you get **35.7128, 24.4775, 65.7936**, and if you desaturate by 10%, it is **44.3850, 37.0528, 67.7638**.

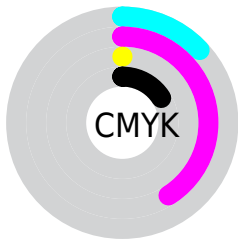
Distribution



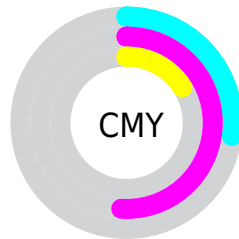
- Red (73%)
- Green (49%)
- Blue (84%)



- Red (73%)
- Yellow (49%)
- Blue (84%)



- Cyan (13%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7208, 30.1649, 66.6797 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 39.7208, 30.1649, 66.6797 by changing the saturation by 10% instead.

39.7208, 30.1649,
66.6797

39.7208, 30.1649,
66.6797

336.1000,
302.6723, 467.2742

27.5042, 19.9638,
48.3644

74.0252, 59.9229,
116.0976

18.0908, 12.3687,
33.7535

96.8437, 80.2485,
148.0373

11.1153, 6.9953,
22.4285

123.9269,
104.7178, 185.3556

6.2123, 3.4592,
13.9708

155.6400,
133.7150, 228.4710

3.0165, 1.3759,
7.9618

192.3486,
167.6248, 277.8020

1.1625, 0.1989,
3.9831

234.4179,

0.0764, 0.0000,

206.8313, 333.7672

1.6161

282.2132,
251.7190, 396.7851

■ 0.0000, 0.0000,
0.3023

■ 0.0000, 0.0000,
0.0000

■ 39.7208, 30.1649,
66.6797

■ 39.7208, 30.1649,
66.6797

■ 35.7128, 24.4775,
65.7936

■ 44.3850, 37.0528,
67.7638

■ 32.3198, 19.9119,
65.0912

■ 49.7370, 45.2055,
69.0554

■ 29.5004, 16.3861,
64.5593

■ 55.8102, 54.6874,
70.5655

■ 27.2060, 13.8048,
64.1820

■ 62.6347, 65.5571,
72.3039

■ 25.3793, 12.0546,
63.9404

■ 70.2386, 77.8700,
74.2797

■ 24.0246, 10.9977,
63.8078

■ 78.6487, 91.6780,
76.5017

■ 81.1381, 93.5258,
76.7271

■ 83.3279, 94.6547,
76.8296

■ 85.5993, 95.8257,
76.9359

Harmonies

Analogous

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



32.8277, 30.1649, 85.2045



39.7208, 30.1649, 66.6797



43.9074, 30.1649, 42.1925

Triad

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



39.7208, 30.1649, 66.6797



31.7721, 30.1649, 7.7659



17.6313, 30.1649, 45.5794

Complementary

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



39.7208, 30.1649, 66.6797



40.6979, 55.8679, 28.3785

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.



17.4430, 30.1649, 24.9904



39.7208, 30.1649, 66.6797



24.8805, 30.1649, 8.0556

Square

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



39.7208, 30.1649, 66.6797



38.8403, 30.1649, 11.9064



19.8875, 30.1649, 12.9763



20.4522, 30.1649, 70.0114

Rectangle

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



39.7208, 30.1649, 66.6797



44.2174, 30.1649, 28.2751



19.8875, 30.1649, 12.9763



17.2764, 30.1649, 37.8813

Sweetspot

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



39.7219, 30.1662, 66.6804



82.6454, 80.2497, 105.7416



32.0970, 32.2039, 67.4756



17.4221, 16.7565, 22.5660



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.



39.7219, 30.1662, 66.6804



54.4241, 37.8315, 99.0415



44.9861, 33.1025, 56.8725



12.5606, 12.4304, 15.6748



14.7843, 6.7741, 38.9815



0.9749, 0.4515, 2.3551

Inverse Universe

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



40.6521, 31.3689, 34.0503



56.3745, 40.0967, 42.2193



37.2782, 53.9764, 34.0265



12.5804, 12.4837, 13.7306



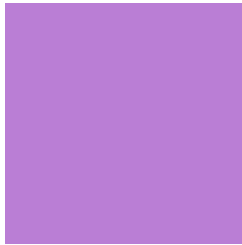
17.4050, 8.8983, 4.1710



1.0866, 0.5514, 0.4454

Previews

White Background



This preview shows how the XYZ color 39.7208, 30.1649, 66.6797 looks on a white background.

Color Contrast Check

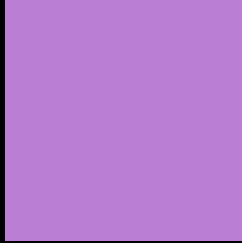
Large Text (above 18pt) WCAG AA × Fail

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 39.7208, 30.1649, 66.6797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

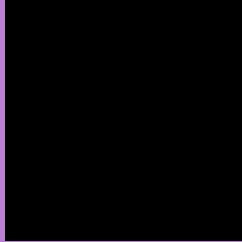
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7208, 30.1649, 66.6797

Background



This preview shows how black text looks on a background with the XYZ color 39.7208, 30.1649, 66.6797.



This preview shows how white text looks on a background with the XYZ color 39.7208, 30.1649,

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

39.7208, 30.1649, 66.6797

Protanopia

32.4624, 30.5737, 79.0533

Deuteranopia

31.1518, 30.4504, 64.5572



Tritanopia

33.0146, 30.3053, 32.9636

Trichromacy



Original Color

39.7208, 30.1649, 66.6797



Protanomaly

34.1888, 29.7763, 74.4665



Deuteranomaly

33.5886, 29.8933, 64.9724



Tritanomaly

35.0292, 30.0484, 43.4888

Monochromacy



Original Color

39.7208, 30.1649, 66.6797



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

33.4370, 31.1487, 44.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7208, 30.1649, 66.6797 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(186, 126, 213)` looks like.

```
.text, #text, p{  
    color:rgb(186, 126, 213)  
}
```

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(186, 126, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 126, 213) }
```

Border

The CSS property to change the border of an element to XYZ 39.7208, 30.1649, 66.6797 is called "border". The border property can be set on classes, ids or directly on the HTML element.

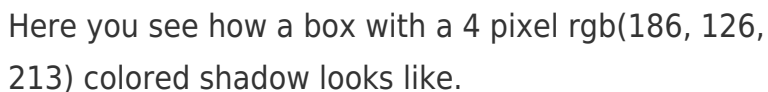
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 126, 213) }
```


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

```
.border{ border-color:rgb(186, 126, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 126, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 126, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 126, 213);  
box-shadow:4px 4px 4px 4px rgb(186, 126,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7208, 30.1649, 66.6797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 126, 213) }
```

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

```
.background{ background-color: rgb(186,  
126, 213) }
```

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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