

Converting Colors

XYZ(40.0087, 26.4882, 57.2594)

Have a look what the booklet for
XYZ(40.0087, 26.4882, 57.2594)
contains.

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Color

**XYZ(39.9620, 26.4636,
57.0346)**

Conversions

Conversions Part 1

Format	Color
Hex	CC66C7
RGB	204, 102, 199
RGB Percent	80%, 40%, 78%
CMY	0.2000, 0.6000, 0.2196
CMYK	0.00, 0.50, 0.02, 0.20
HSL	303°, 50%, 60%
HSV	303°, 50%, 80%
XYZ	39.9620, 26.4636, 57.0346
YIQ	143.5560, 29.6550, 51.7910

Conversions

Conversions Part 2

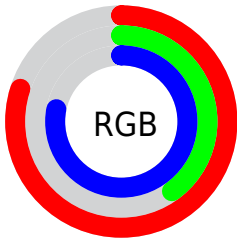
Format	Color
R_{YB}	204, 102, 199
Decimal	13395655
CIE _{Lab}	58.47, 53.56, -32.82
CIE _{LCh}	58, 62.818, 328.506
Yxy	26.4636, 0.3237, 0.2143
Android (android.graphics.Color)	4291585735 (0xFFCC66C7)
YUV	143.5560, 27.3339, 53.0094
Hunter-Lab	51.4428, 48.6383, -29.7249

Details

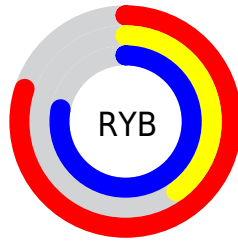
The XYZ color **39.9620, 26.4636, 57.0346** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.7273, 47.0730, 21.4307**, and the grayscale version is **26.2173, 27.5826, 30.0375**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **18.2004, 10.3613, 27.8287** is the 20% darker color. If you saturate the color by 10%, you get **38.0828, 22.8899, 55.8374**, and if you desaturate by 10%, it is **42.3370, 31.0265, 58.4014**.

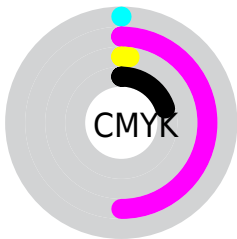
Distribution



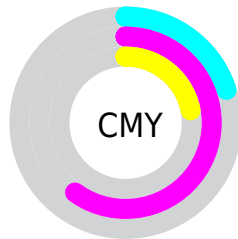
- Red (80%)
- Green (40%)
- Blue (78%)



- Red (80%)
- Yellow (40%)
- Blue (78%)



- Cyan (0%)
- Magenta (50%)
- Yellow (2%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9620, 26.4636, 57.0346 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 39.9620, 26.4636, 57.0346 by changing the saturation by 10% instead.


 39.9620, 26.4636,
57.0346


 39.9620, 26.4636,
57.0346


337.1005,
285.0505, 431.0763


 27.6930, 17.1708,
40.6235


 74.3904, 54.0219,
102.0165


 18.2336, 10.3563,
27.7075


 97.2804, 73.0562,
131.4244

 11.2186, 5.6359,
17.8682


 124.4415, 96.1064,
166.0016

 6.2824, 2.6249,
10.6869

 156.2391,
123.5570, 206.1666

 3.0598, 0.9392,
5.7452

193.0384,
155.7923, 252.3381

 1.1855, 0.0000,
2.6245

235.2048,

 0.0949, 0.0000,

193.1967, 304.9345

0.9051

283.1038,
236.1546, 364.3744

■ 0.0000, 0.0000,
0.0000

■ 39.9620, 26.4636,
57.0346

■ 39.9620, 26.4636,
57.0346

■ 38.0828, 22.8899,
55.8374

■ 42.3370, 31.0265,
58.4014

■ 36.6599, 20.2282,
54.7957

■ 45.2381, 36.6411,
59.9471

■ 35.6522, 18.3955,
53.8962


■ 48.6967, 43.3692,
61.6823


■ 35.0099, 17.2924,
53.1223


■ 52.7405, 51.2667,
63.6164


■ 34.6398, 16.7327,
52.4428


■ 57.3956, 60.3856,
65.7582

 34.6397, 16.7326,
52.4427

 62.6866, 70.7750,
68.1156

 68.6366, 82.4812,
70.6966

 71.9249, 88.8626,
72.3941

 72.0476, 88.9117,
73.0402

Harmonies

Analogous

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



32.8788, 26.4636, 84.2441



39.9620, 26.4636, 57.0346



42.9903, 26.4636, 29.9312

Triad

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



39.9620, 26.4636, 57.0346



25.5399, 26.4636, 3.8435



14.2801, 26.4636, 54.0763

Complementary

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



39.9620, 26.4636, 57.0346



29.7273, 47.0730, 21.4307

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.



13.0908, 26.4636, 27.7257



39.9620, 26.4636, 57.0346



18.7433, 26.4636, 5.3386

Square

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



39.9620, 26.4636, 57.0346



33.6825, 26.4636, 5.7051



14.5458, 26.4636, 11.8869



18.2004, 26.4636, 82.0095

Rectangle

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



39.9620, 26.4636, 57.0346



41.9150, 26.4636, 17.3679



14.5458, 26.4636, 11.8869



13.5877, 26.4636, 44.4295

Sweetspot

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



39.9629, 26.4648, 57.0351



83.7380, 77.8567, 103.6471



21.5244, 16.8912, 59.2534



17.6231, 16.0783, 22.0403



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.



39.9629, 26.4648, 57.0351



62.8570, 37.5090, 92.3268



35.1271, 24.5305, 31.5704



11.6629, 11.3939, 14.0253



21.8127, 10.5357, 33.0621



1.1328, 0.5465, 1.7450

Inverse Universe

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



39.9629, 26.4648, 57.0351



62.8570, 37.5090, 92.3268



33.1081, 48.4254, 39.2337



11.6629, 11.3939, 14.0253



21.8127, 10.5357, 33.0621



1.1328, 0.5465, 1.7450

Previews

White Background



This preview shows how the XYZ color 39.9620, 26.4636, 57.0346 looks on a white background.

Color Contrast Check

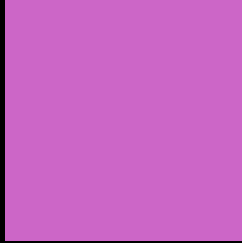
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9620, 26.4636, 57.0346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

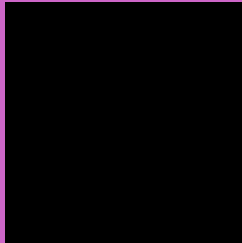
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9620, 26.4636, 57.0346

Background



This preview shows how black text looks on a background with the XYZ color 39.9620, 26.4636, 57.0346.



This preview shows how white text looks on a background with the XYZ color 39.9620, 26.4636,

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

39.9620, 26.4636, 57.0346

Protanopia

29.0570, 26.8374, 77.7774

Deuteranopia

27.2045, 26.6310, 53.5756



Tritanopia

32.9988, 26.3543, 23.7697

Trichromacy



Original Color

39.9620, 26.4636, 57.0346



Protanomaly

30.9730, 25.3919, 69.5983



Deuteranomaly

30.6376, 25.7319, 54.9817



Tritanomaly

35.0266, 26.1491, 33.7730

Monochromacy



Original Color

39.9620, 26.4636, 57.0346



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

30.2770, 26.4878, 38.6389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9620, 26.4636, 57.0346 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(204, 102, 199)` looks like.

```
.text, #text, p{  
    color:rgb(204, 102, 199)  
}
```

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(204, 102, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 102, 199) }
```

Border

The CSS property to change the border of an element to XYZ 39.9620, 26.4636, 57.0346 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(204, 102, 199) }
```


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

```
.border{ border-color:rgb(204, 102, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 102, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 102, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 102, 199);  
box-shadow:4px 4px 4px 4px rgb(204, 102,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9620, 26.4636, 57.0346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 102, 199) }
```

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

```
.background{ background-color: rgb(204,  
102, 199) }
```

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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