

Converting Colors

XYZ(41.3636, 27.1162, 66.8464)

Have a look what the booklet for
XYZ(41.3636, 27.1162, 66.8464)
contains.

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Color

**XYZ(41.3450, 27.1121,
66.6724)**

Conversions

Conversions Part 1

Format	Color
Hex	CA67D6
RGB	202, 103, 214
RGB Percent	79%, 40%, 84%
CMY	0.2078, 0.5961, 0.1608
CMYK	0.06, 0.52, 0.00, 0.16
HSL	294°, 58%, 62%
HSV	294°, 52%, 84%
XYZ	41.3450, 27.1121, 66.6724
YIQ	145.2550, 23.3730, 55.5090

Conversions

Conversions Part 2

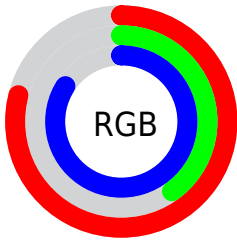
Format	Color
R _Y B	202, 103, 214
Decimal	13264854
CIE Lab	59.08, 55.24, -40.39
CIE LCh	59, 68.428, 323.825
Yxy	27.1121, 0.3060, 0.2006
Android (android.graphics.Color)	4291454934 (0xFFCA67D6)
YUV	145.2550, 33.8913, 49.7654
Hunter-Lab	52.0693, 50.6146, -39.4697

Details

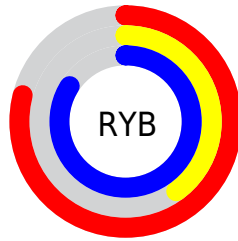
The XYZ color **41.3450, 27.1121, 66.6724** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.5658, 52.7179, 21.2396**, and the grayscale version is **26.8781, 28.2778, 30.7946**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **19.0334, 10.7196, 33.8668** is the 20% darker color. If you saturate the color by 10%, you get **38.8615, 23.0667, 66.0228**, and if you desaturate by 10%, it is **44.3845, 32.2540, 67.5051**.

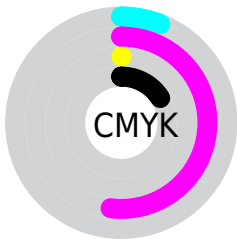
Distribution



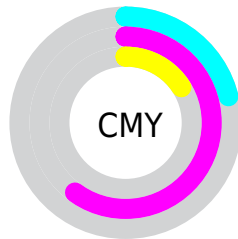
- Red (79%)
- Green (40%)
- Blue (84%)



- Red (79%)
- Yellow (40%)
- Blue (84%)



- Cyan (6%)
- Magenta (52%)
- Yellow (0%)
- Black (16%)





- Cyan (21%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3450, 27.1121, 66.6724 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 41.3450, 27.1121, 66.6724 by changing the saturation by 10% instead.


 41.3450, 27.1121,
66.6724


 41.3450, 27.1121,
66.6724


342.7985,
288.1995, 467.2475


 28.7776, 17.6574,
48.3585

 76.4787, 55.0637,
116.0871

 19.0561, 10.7043,
33.7489


 99.7758, 74.3294,
148.0249

 11.8151, 5.8684,
22.4250


 127.3802, 97.6343,
185.3412

 6.6892, 2.7652,
13.9682

 159.6571,
125.3627, 228.4544

 3.3131, 1.0104,
7.9600

196.9721,
157.8990, 277.7831

 1.3214, 0.0000,
3.9820

239.6904,

 0.1992, 0.0000,

195.6276, 333.7458

1.6155

288.1774,
238.9330, 396.7611

■ 0.0000, 0.0000,
0.3018

■ 0.0000, 0.0000,
0.0000

■ 41.3450, 27.1121,
66.6724

■ 41.3450, 27.1121,
66.6724

■ 38.8615, 23.0667,
66.0228

■ 44.3845, 32.2540,
67.5051

■ 36.8885, 20.0293,
65.5406


■ 48.0149, 38.5646,
68.5318


■ 35.3784, 17.9036,
65.2099


■ 52.2720, 46.1144,
69.7647

■ 34.2726, 16.5730,
65.0113


■ 57.1876, 54.9671,
71.2144


 33.5900, 15.9142,
64.9201

 62.7913, 65.1820,
72.8907

 69.1112, 76.8148,
74.8030

 76.1734, 89.9182,
76.9599

 77.5671, 91.6702,
77.2247

 78.2744, 92.0348,
77.2578

Harmonies

Analogous

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



32.9525, 27.1121, 96.3946



41.3450, 27.1121, 66.6724



45.6770, 27.1121, 34.8479

Triad

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



41.3450, 27.1121, 66.6724



27.5678, 27.1121, 3.1526



13.5216, 27.1121, 52.7571

Complementary

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



41.3450, 27.1121, 66.6724



33.5658, 52.7179, 21.2396

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.



12.6945, 27.1121, 24.7657



41.3450, 27.1121, 66.6724



19.7140, 27.1121, 4.0658

Square

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



41.3450, 27.1121, 66.6724



36.6722, 27.1121, 5.5620



14.6980, 27.1121, 9.6128



17.2747, 27.1121, 85.7305

Rectangle

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



41.3450, 27.1121, 66.6724



45.1245, 27.1121, 19.6871



14.6980, 27.1121, 9.6128



12.9322, 27.1121, 42.1801

Sweetspot

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



41.3460, 27.1133, 66.6730



81.7831, 75.8475, 104.9373



23.9718, 20.2191, 66.2580



17.1812, 15.6517, 22.3655



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.



41.3460, 27.1133, 66.6730



57.5448, 33.9123, 98.1205



39.9763, 26.9552, 41.8503



12.8146, 12.5614, 15.6867



20.3567, 9.6468, 39.2423



1.2665, 0.6018, 2.3687

Inverse Universe

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



35.6772, 25.2355, 19.2113



48.5422, 31.0056, 19.3431



34.7944, 53.0387, 35.4159



12.4773, 12.4424, 13.1876



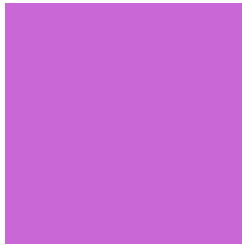
16.8750, 8.6863, 1.3798



1.0367, 0.5315, 0.1825

Previews

White Background



This preview shows how the XYZ color 41.3450, 27.1121, 66.6724 looks on a white background.

Color Contrast Check

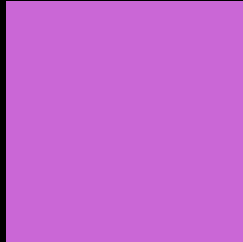
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3450, 27.1121, 66.6724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

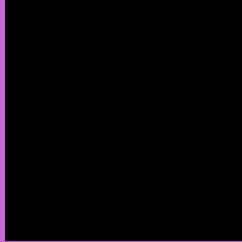
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3450, 27.1121, 66.6724

Background



This preview shows how black text looks on a background with the XYZ color 41.3450, 27.1121, 66.6724.



This preview shows how white text looks on a background with the XYZ color 41.3450, 27.1121,

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

41.3450, 27.1121, 66.6724

Protanopia

30.5865, 27.5520, 90.8948

Deuteranopia

27.9898, 27.2678, 62.8195



Tritanopia

32.8025, 26.9357, 25.6605

Trichromacy



Original Color

41.3450, 27.1121, 66.6724



Protanomaly

32.1437, 25.9306, 81.1528



Deuteranomaly

31.2549, 26.0349, 64.3507



Tritanomaly

35.2727, 26.7015, 37.4773

Monochromacy



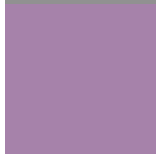
Original Color

41.3450, 27.1121, 66.6724



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

30.9642, 26.9745, 41.6048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3450, 27.1121, 66.6724 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(202, 103, 214)` looks like.

```
.text, #text, p{  
    color:rgb(202, 103, 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(202, 103, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 103, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.3450, 27.1121, 66.6724 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(202, 103, 214) }
```


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

```
.border{ border-color:rgb(202, 103, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 103, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 103, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 103, 214);  
box-shadow:4px 4px 4px 4px rgb(202, 103,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3450, 27.1121, 66.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 103, 214) }
```

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

```
.background{ background-color: rgb(202,  
103, 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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