

Converting Colors

XYZ(73.4785, 42.4116, 79.4922)

Have a look what the booklet for
XYZ(73.4785, 42.4116, 79.4922)
contains.

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Color

**XYZ(59.7058, 35.3389,
78.5372)**

Conversions

Conversions Part 1

Format	Color
Hex	FF60E6
RGB	255, 96, 230
RGB Percent	100%, 38%, 90%
CMY	0.0000, 0.6235, 0.0980
CMYK	0.00, 0.62, 0.10, 0.00
HSL	309°, 100%, 69%
HSV	309°, 62%, 100%
XYZ	59.7058, 35.3389, 78.5372
YIQ	158.8170, 51.7500, 75.3820

Conversions

Conversions Part 2

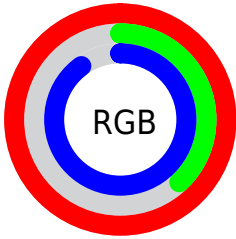
Format	Color
R _Y B	255, 96, 230
Decimal	16736486
CIE _{Lab}	66.01, 74.72, -37.96
CIE _{LCh}	66, 83.809, 333.064
Yxy	35.3389, 0.3440, 0.2036
Android (android.graphics.Color)	4294926566 (0xFFFF60E6)
YUV	158.8170, 35.0932, 84.3525
Hunter-Lab	59.4465, 75.2471, -36.7178

Details

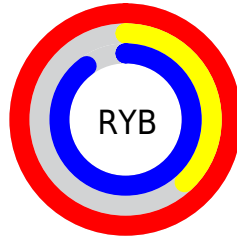
The XYZ color **59.7058, 35.3389, 78.5372** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.0363, 75.3879, 30.3218**, and the grayscale version is **32.7009, 34.4039, 37.4659**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **30.4723, 15.3114, 41.3937** is the 20% darker color. If you saturate the color by 10%, you get **57.1883, 31.1946, 74.9521**, and if you desaturate by 10%, it is **62.9920, 40.9996, 82.4432**.

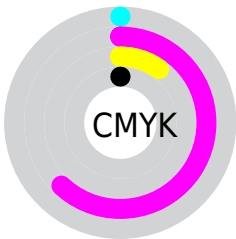
Distribution



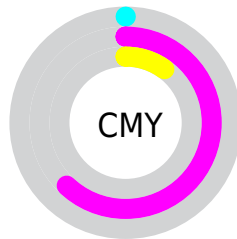
- Red (100%)
- Green (38%)
- Blue (90%)



- Red (100%)
- Yellow (38%)
- Blue (90%)



- Cyan (0%)
- Magenta (62%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7058, 35.3389, 78.5372 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 59.7058, 35.3389, 78.5372 by changing the saturation by 10% instead.


 59.7058, 35.3389,
78.5372

 59.7058, 35.3389,
78.5372

413.3646,
326.0617, 509.5655


 43.4301, 23.9241,
57.9963

 103.5116, 68.0104,
133.0999

 30.4187, 15.2773,
41.3910


 131.7723, 90.0359,
167.9588

 20.3063, 9.0142,
28.3027


 164.7588,
116.3671, 208.4274

 12.7274, 4.7505,
18.3130

 202.8364,
147.3883, 254.9243

 7.3168, 2.1016,
11.0031

246.3704,
183.4840, 307.8680

 3.7091, 0.6655,
5.9548

295.7262,

 1.5389, 0.0000,

225.0385, 367.6771

2.7492

351.2692,
272.4363, 434.7701

■ 0.3521, 0.0000,
0.9681

■ 0.0000, 0.0000,
0.0000

■ 59.7058, 35.3389,
78.5372

■ 59.7058, 35.3389,
78.5372

■ 57.1883, 31.1946,
74.9521

■ 62.9920, 40.9996,
82.4432

■ 55.3610, 28.4103,
71.6602


■ 67.1104, 48.3041,
86.6906


■ 54.1328, 26.8036,
68.6310

■ 72.1208, 57.3713,
91.3000

■ 53.4935, 26.1614,
66.4561

■ 78.0764, 68.3079,
96.2896

 85.0264, 81.2123,
101.6763

 93.0167, 96.1756,
107.4757

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.3812, 35.3389, 129.0150



59.7058, 35.3389, 78.5372



63.5379, 35.3389, 34.9351

Triad

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



59.7058, 35.3389, 78.5372



32.3275, 35.3389, 2.6159



17.2819, 35.3389, 89.1785

Complementary

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



59.7058, 35.3389, 78.5372



44.0363, 75.3879, 30.3218

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.



14.9348, 35.3389, 42.2528



59.7058, 35.3389, 78.5372



22.1678, 35.3389, 4.9048

Square

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



59.7058, 35.3389, 78.5372



45.6143, 35.3389, 4.0355



16.4748, 35.3389, 15.0616



23.8873, 35.3389, 137.3836

Rectangle

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



59.7058, 35.3389, 78.5372



60.7122, 35.3389, 17.4160



16.4748, 35.3389, 15.0616



16.0542, 35.3389, 71.9883

Sweetspot

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



59.7066, 35.3404, 78.5379



80.2915, 72.4069, 98.0491



29.9594, 19.5700, 96.8061



16.7793, 14.7459, 20.6644



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.



59.7066, 35.3404, 78.5379



56.6402, 30.3310, 74.0523



51.0629, 31.8829, 33.0206



18.6627, 18.2484, 22.1070



27.9976, 13.6883, 34.9673



2.7576, 1.3454, 3.5708

Inverse Universe

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



59.7066, 35.3404, 78.5379



56.6402, 30.3310, 74.0523



50.9345, 78.1471, 66.6472



18.6627, 18.2484, 22.1070



27.9976, 13.6883, 34.9673



2.7576, 1.3454, 3.5708

Previews

White Background



This preview shows how the XYZ color 59.7058, 35.3389, 78.5372 looks on a white background.

Color Contrast Check

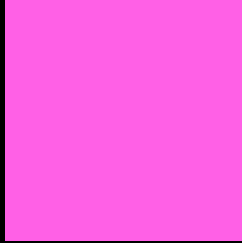
Large Text (above 18pt) WCAG AA × Fail

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 59.7058, 35.3389, 78.5372 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 59.7058, 35.3389, 78.5372

Background



This preview shows how black text looks on a background with the XYZ color 59.7058, 35.3389, 78.5372.



This preview shows how white text looks on a background with the XYZ color 59.7058, 35.3389,

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

59.7058, 35.3389, 78.5372

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

36.4717, 35.7144, 72.6814



Tritanopia

48.9040, 35.2443, 26.0551

Trichromacy



Original Color

59.7058, 35.3389, 78.5372



Protanomaly

42.0931, 32.6397, 91.2703



Deuteranomaly

41.7871, 33.0574, 74.6993



Tritanomaly

52.0399, 34.7771, 41.0156

Monochromacy



Original Color

59.7058, 35.3389, 78.5372



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

39.8092, 32.5804, 50.0894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7058, 35.3389, 78.5372 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(255, 96, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 230)  
}
```

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(255, 96, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 230) }
```

Border

The CSS property to change the border of an element to XYZ 59.7058, 35.3389, 78.5372 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(255, 96, 230) }
```


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

```
.border{ border-color:rgb(255, 96, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 96, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7058, 35.3389, 78.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 230) }
```

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

```
.background{ background-color: rgb(255, 96,  
230) }
```

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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