

Converting Colors

XYZ(108.6863, 61.6924,
78.7035)

Have a look what the booklet for
XYZ(108.6863, 61.6924, 78.7035)
contains.

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Color

**XYZ(59.9554, 36.5065,
76.5595)**

Conversions

Conversions Part 1

Format	Color
Hex	FF67E3
RGB	255, 103, 227
RGB Percent	100%, 40%, 89%
CMY	0.0000, 0.5961, 0.1098
CMYK	0.00, 0.60, 0.11, 0.00
HSL	311°, 100%, 70%
HSV	311°, 60%, 100%
XYZ	59.9554, 36.5065, 76.5595
YIQ	162.5840, 50.7880, 70.7880

Conversions

Conversions Part 2

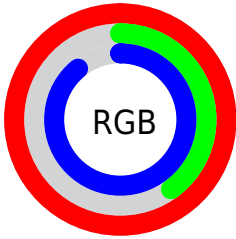
Format	Color
R _Y B	255, 103, 227
Decimal	16738275
CIE _{Lab}	66.91, 71.46, -34.91
CIE _{LCh}	67, 79.531, 333.967
Yxy	36.5065, 0.3465, 0.2110
Android (android.graphics.Color)	4294928355 (0xFFFF67E3)
YUV	162.5840, 31.7571, 81.0488
Hunter-Lab	60.4206, 71.3896, -32.8325

Details

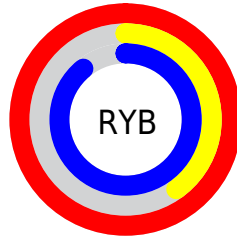
The XYZ color **59.9554, 36.5065, 76.5595** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.4515, 76.0429, 33.7573**, and the grayscale version is **34.4567, 36.2511, 39.4775**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **30.5495, 15.9286, 39.9925** is the 20% darker color. If you saturate the color by 10%, you get **57.1550, 31.9292, 72.4710**, and if you desaturate by 10%, it is **63.5481, 42.6400, 81.0003**.

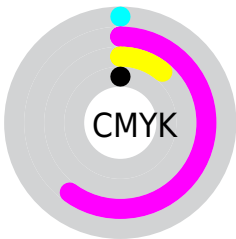
Distribution



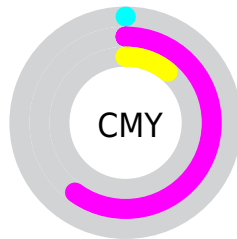
- Red (100%)
- Green (40%)
- Blue (89%)



- Red (100%)
- Yellow (40%)
- Blue (89%)



- Cyan (0%)
- Magenta (60%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9554, 36.5065, 76.5595 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 59.9554, 36.5065, 76.5595 by changing the saturation by 10% instead.


 59.9554, 36.5065,
76.5595


 59.9554, 36.5065,
76.5595


414.2707,
331.1690, 502.6585

 43.6320, 24.8256,
56.3820

 103.8717, 69.8131,
130.2848


 30.5780, 15.9472,
40.1032

 132.1953, 92.2077,
164.6697

 20.4280, 9.4868,
27.3046


 165.2497,
118.9422, 204.6275

 12.8166, 5.0600,
17.5677

 203.4002,
150.4012, 250.5767

 7.3785, 2.2825,
10.4738

247.0122,
186.9689, 302.9359

 3.7483, 0.7644,
5.6046

296.4511,

 1.5608, 0.0000,

229.0299, 362.1235

2.5413

352.0821,
276.9684, 428.5582

■ 0.3666, 0.0000,
0.8619

■ 0.0000, 0.0000,
0.0000

■ 59.9554, 36.5065,
76.5595

■ 59.9554, 36.5065,
76.5595

■ 57.1550, 31.9292,
72.4710

■ 63.5481, 42.6400,
81.0003

■ 55.0716, 28.7580,
68.7077

■ 67.9947, 50.4527,
85.8132

■ 53.6193, 26.8209,
65.2406

■ 73.3530, 60.0603,
91.0187

■ 52.6620, 25.8463,
62.0237

■ 79.6754, 71.5670,
96.6348

■ 52.6283, 25.8153,
61.8998

■ 87.0101, 85.0691,
102.6783

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.



49.3184, 36.5065, 124.0755



59.9554, 36.5065, 76.5595



63.3213, 36.5065, 35.3339

Triad

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



59.9554, 36.5065, 76.5595



33.1202, 36.5065, 3.5013



18.8126, 36.5065, 89.5375

Complementary

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



59.9554, 36.5065, 76.5595



45.4515, 76.0429, 33.7573

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.



16.3382, 36.5065, 44.5182



59.9554, 36.5065, 76.5595



23.2973, 36.5065, 6.2087

Square

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



59.9554, 36.5065, 76.5595



45.8918, 36.5065, 4.9703



17.7670, 36.5065, 17.1614



25.4913, 36.5065, 134.1393

Rectangle

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



59.9554, 36.5065, 76.5595



60.4653, 36.5065, 18.4303



17.7670, 36.5065, 17.1614



17.5420, 36.5065, 73.2512

Sweetspot

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



59.9562, 36.5080, 76.5602



80.7833, 73.5973, 97.5756



32.2413, 21.7370, 97.1041



16.8652, 14.9731, 20.5218



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.



59.9562, 36.5080, 76.5602



56.5937, 31.0475, 71.5410



51.6881, 33.2008, 33.0212



18.6407, 18.2396, 21.9909



27.5511, 13.5097, 32.6164



2.7181, 1.3296, 3.3629

Inverse Universe

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



59.9562, 36.5080, 76.5602



56.5937, 31.0475, 71.5410



52.6008, 78.9026, 71.4049



18.6407, 18.2396, 21.9909



27.5511, 13.5097, 32.6164



2.7181, 1.3296, 3.3629

Previews

White Background



This preview shows how the XYZ color 59.9554, 36.5065, 76.5595 looks on a white background.

Color Contrast Check

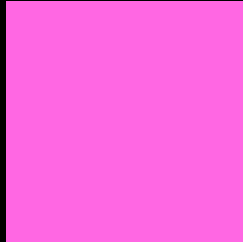
Large Text (above 18pt) WCAG AA × Fail

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 59.9554, 36.5065, 76.5595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

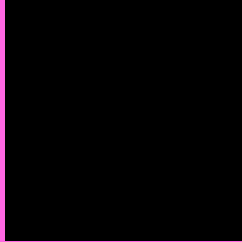
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9554, 36.5065, 76.5595

Background



This preview shows how black text looks on a background with the XYZ color 59.9554, 36.5065, 76.5595.



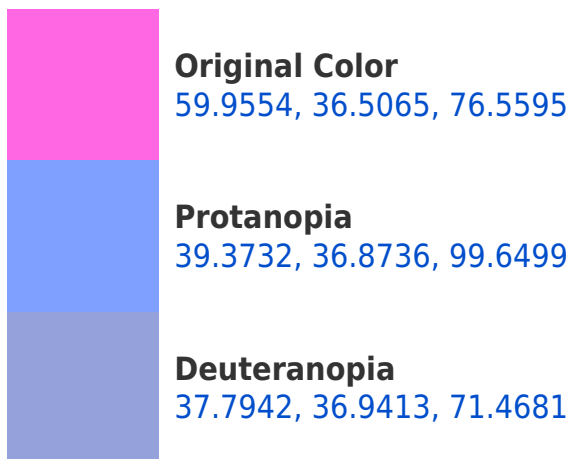
This preview shows how white text looks on a background with the XYZ color 59.9554, 36.5065,

76.5595.

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

49.6895, 36.3688, 27.6935

Trichromacy



Original Color

59.9554, 36.5065, 76.5595



Protanomaly

43.1696, 34.0565, 90.6845



Deuteranomaly

43.1683, 34.6680, 72.8230



Tritanomaly

52.7068, 35.9612, 41.6994

Monochromacy



Original Color

59.9554, 36.5065, 76.5595



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

41.1528, 34.3307, 50.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9554, 36.5065, 76.5595 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, 103, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 227)  
}
```

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, 103, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 227) }
```

Border

The CSS property to change the border of an element to XYZ 59.9554, 36.5065, 76.5595 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, 103, 227) }
```


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

```
.border{ border-color:rgb(255, 103, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9554, 36.5065, 76.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 227) }
```

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

```
.background{ background-color: rgb(255,  
103, 227) }
```

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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