

Converting Colors

XYZ(59.5007, 36.1671, 74.6512)

Have a look what the booklet for
XYZ(59.5007, 36.1671, 74.6512)
contains.

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Color

**XYZ(59.4459, 36.1446,
74.3645)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66E0
RGB	255, 102, 224
RGB Percent	100%, 40%, 88%
CMY	0.0000, 0.6000, 0.1216
CMYK	0.00, 0.60, 0.12, 0.00
HSL	312°, 100%, 70%
HSV	312°, 60%, 100%
XYZ	59.4459, 36.1446, 74.3645
YIQ	161.6550, 52.0260, 70.3780

Conversions

Conversions Part 2

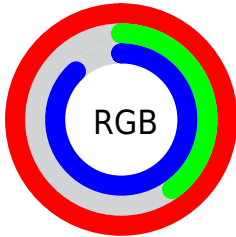
Format	Color
RYB	255, 102, 224
Decimal	16738016
CIELab	66.63, 71.43, -33.66
CIELCh	67, 78.964, 334.766
Yxy	36.1446, 0.3498, 0.2127
Android (android.graphics.Color)	4294928096 (0xFFFF66E0)
YUV	161.6550, 30.7361, 81.8636
Hunter-Lab	60.1204, 71.2868, -31.2531

Details

The XYZ color **59.4459, 36.1446, 74.3645** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.4745, 76.0389, 34.4732**, and the grayscale version is **34.0269, 35.7990, 38.9851**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.2351, 15.7524, 38.4927** is the 20% darker color. If you saturate the color by 10%, you get **56.6239, 31.6049, 70.0191**, and if you desaturate by 10%, it is **63.0614, 42.2368, 79.0802**.

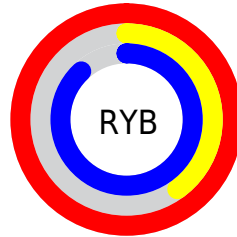
Distribution



Red (100%)

Green (40%)

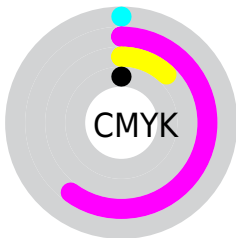
Blue (88%)



Red (100%)

Yellow (40%)

Blue (88%)

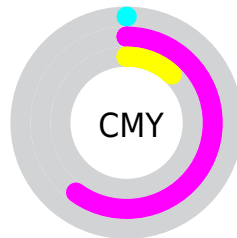


Cyan (0%)

Magenta (60%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4459, 36.1446, 74.3645 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 59.4459, 36.1446, 74.3645 by changing the saturation by 10% instead.


 59.4459, 36.1446,
74.3645


 59.4459, 36.1446,
74.3645


412.4199,
329.5921, 494.9274

 43.2199, 24.5459,
54.5938

 103.1364, 69.2552,
127.1512

 30.2530, 15.7391,
38.6802


 131.3316, 91.5359,
161.0043

 20.1797, 9.3397,
26.2051


 164.2473,
118.1460, 200.3886

 12.6348, 4.9634,
16.7500

 202.2487,
149.4700, 245.7227

 7.2528, 2.2258,
9.8964

245.7014,
185.8922, 297.4251

 3.6684, 0.7340,
5.2256

294.9706,

 1.5163, 0.0000,

227.7970, 355.9143

2.3192

350.4216,
275.5688, 421.6089

■ 0.3369, 0.0000,
0.7419

■ 0.0000, 0.0000,
0.0000

■ 59.4459, 36.1446,
74.3645

■ 59.4459, 36.1446,
74.3645

■ 56.6239, 31.6049,
70.0191

■ 63.0614, 42.2368,
79.0802

■ 54.5193, 28.4664,
66.0167

■ 67.5319, 50.0048,
84.1865

■ 53.0454, 26.5559,
62.3277

■ 72.9158, 59.5650,
89.7042

■ 52.0594, 25.5879,
58.9035

■ 79.2655, 71.0219,
95.6515

■ 52.0591, 25.5876,
58.9025

■ 86.6295, 84.4719,
102.0456

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.



49.1005, 36.1446, 121.3053



59.4459, 36.1446, 74.3645



62.5265, 36.1446, 34.1646

Triad

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



59.4459, 36.1446, 74.3645



32.4906, 36.1446, 3.5304



18.7948, 36.1446, 89.7072

Complementary

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



59.4459, 36.1446, 74.3645



45.4745, 76.0389, 34.4732

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.



16.2441, 36.1446, 45.0468



59.4459, 36.1446, 74.3645



22.9027, 36.1446, 6.3595

Square

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



59.4459, 36.1446, 74.3645



45.0452, 36.1446, 4.8790



17.5532, 36.1446, 17.5302



25.5049, 36.1446, 133.1894

Rectangle

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



59.4459, 36.1446, 74.3645



59.5596, 36.1446, 17.8142



17.5532, 36.1446, 17.5302



17.5029, 36.1446, 73.6268

Sweetspot

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



59.4468, 36.1462, 74.3652



80.6535, 73.5454, 96.8921



32.4130, 21.6789, 97.0838



16.8331, 14.9603, 20.3532



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.



59.4468, 36.1462, 74.3652



56.1473, 30.8690, 69.1907



51.3300, 32.8994, 31.6227



18.6257, 18.2336, 21.9119



27.2572, 13.3922, 31.0687



2.6920, 1.3192, 3.2254

Inverse Universe

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



59.4468, 36.1462, 74.3652



56.1473, 30.8690, 69.1907



52.7617, 78.9538, 72.8469



18.6257, 18.2336, 21.9119



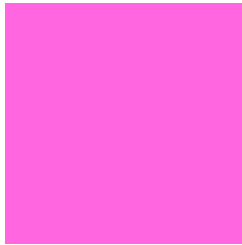
27.2572, 13.3922, 31.0687



2.6920, 1.3192, 3.2254

Previews

White Background



This preview shows how the XYZ color 59.4459, 36.1446, 74.3645 looks on a white background.

Color Contrast Check

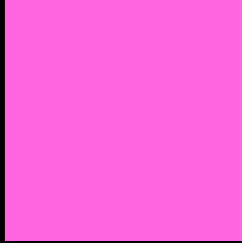
Large Text (above 18pt) WCAG AA × Fail

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 59.4459, 36.1446, 74.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

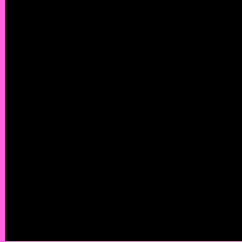
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4459, 36.1446, 74.3645

Background



This preview shows how black text looks on a background with the XYZ color 59.4459, 36.1446, 74.3645.



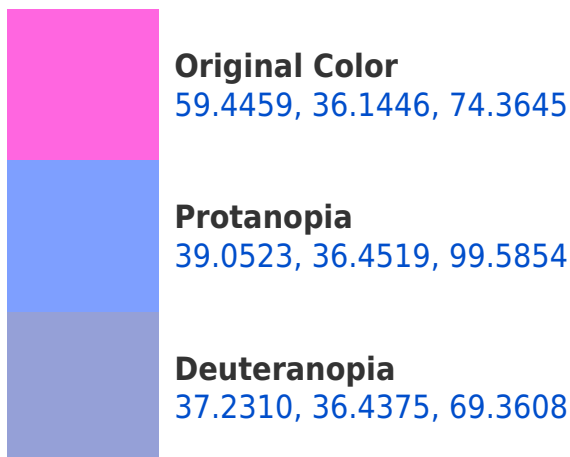
This preview shows how white text looks on a background with the XYZ color 59.4459, 36.1446,

74.3645.

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

49.6427, 35.9813, 26.8829

Trichromacy



Original Color

59.4459, 36.1446, 74.3645



Protanomaly

42.6512, 33.5928, 89.8241



Deuteranomaly

42.6265, 34.2186, 70.6878



Tritanomaly

52.4033, 35.6523, 40.6788

Monochromacy



Original Color

59.4459, 36.1446, 74.3645



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

40.9000, 33.9947, 50.3049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4459, 36.1446, 74.3645 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, 102, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 224)  
}
```

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, 102, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 224) }
```

Border

The CSS property to change the border of an element to XYZ 59.4459, 36.1446, 74.3645 is called "border". The border property can be set on classes, ids or directly on the HTML element.

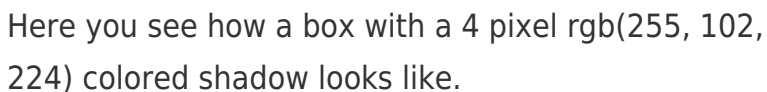
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 102, 224) }
```


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

```
.border{ border-color:rgb(255, 102, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 102, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4459, 36.1446, 74.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 224) }
```

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

```
.background{ background-color: rgb(255,  
102, 224) }
```

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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