

Converting Colors

XYZ(59.2100, 34.5714, 77.6810)

Have a look what the booklet for
XYZ(59.2100, 34.5714, 77.6810)
contains.

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Color

**XYZ(59.2100, 34.5714,
77.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5CE5
RGB	255, 92, 229
RGB Percent	100%, 36%, 90%
CMY	0.0000, 0.6392, 0.1020
CMYK	0.00, 0.64, 0.10, 0.00
HSL	310°, 100%, 68%
HSV	310°, 64%, 100%
XYZ	59.2100, 34.5714, 77.6810
YIQ	156.3550, 53.1710, 77.1630

Conversions

Conversions Part 2

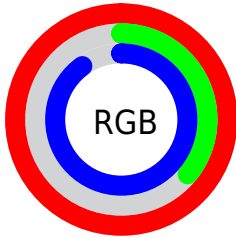
Format	Color
R _{YB}	255, 92, 229
Decimal	16735461
CIE Lab	65.41, 76.11, -38.34
CIE LCh	65, 85.219, 333.262
Yxy	34.5714, 0.3453, 0.2016
Android (android.graphics.Color)	4294925541 (0xFFFF5CE5)
YUV	156.3550, 35.8140, 86.5117
Hunter-Lab	58.7974, 76.8569, -37.1735

Details

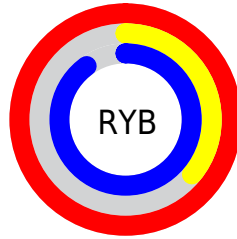
The XYZ color **59.2100, 34.5714, 77.6810** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.4449, 75.1039, 29.3485**, and the grayscale version is **31.5882, 33.2333, 36.1911**.

A 20% lighter version of the original color is **70.5182, 50.9365, 100.7227**, and **30.1800, 14.8822, 40.8170** is the 20% darker color. If you saturate the color by 10%, you get **56.7995, 30.6486, 74.1084**, and if you desaturate by 10%, it is **62.3784, 39.9884, 81.5727**.

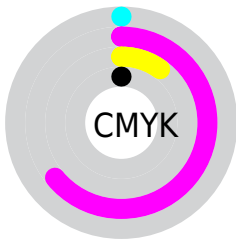
Distribution



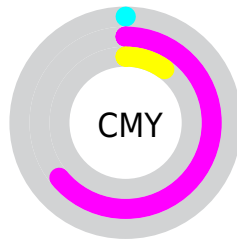
- Red (100%)
- Green (36%)
- Blue (90%)



- Red (100%)
- Yellow (36%)
- Blue (90%)



- Cyan (0%)
- Magenta (64%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2100, 34.5714, 77.6810 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 59.2100, 34.5714, 77.6810 by changing the saturation by 10% instead.


 59.2100, 34.5714,
77.6810


 59.2100, 34.5714,
77.6810

411.5613,
322.6725, 506.5820

 43.0292, 23.3329,
57.2971

 102.7957, 66.8213,
131.8821


 30.1027, 14.8395,
40.8328


 130.9313, 88.6014,
166.5364

 20.0650, 8.7068,
27.8698


 163.7826,
114.6643, 206.7845

 12.5508, 4.5505,
17.9893

 201.7149,
145.3942, 253.0450

 7.1948, 1.9860,
10.7730

245.0935,
181.1756, 305.7365

 3.6317, 0.5993,
5.8021

294.2839,

 1.4959, 0.0000,

222.3928, 365.2775

2.6583

349.6514,
269.4303, 432.0864

■ 0.3231, 0.0000,
0.9223

■ 0.0000, 0.0000,
0.0000

■ 59.2100, 34.5714,
77.6810

■ 59.2100, 34.5714,
77.6810

■ 56.7995, 30.6486,
74.1084

■ 62.3784, 39.9884,
81.5727

■ 55.0664, 28.0597,
70.8264

■ 66.3696, 47.0297,
85.8044

■ 53.9162, 26.6154,
67.8035

■ 71.2442, 55.8162,
90.3971

■ 53.4190, 26.1316,
66.0640

■ 77.0564, 66.4562,
95.3693

83.8560, 79.0492,
100.7380

91.6892, 93.6874,
106.5190

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.



47.8150, 34.5714, 128.9967



59.2100, 34.5714, 77.6810



63.0221, 34.5714, 33.8749

Triad

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



59.2100, 34.5714, 77.6810



31.5158, 34.5714, 2.3001



16.6315, 34.5714, 89.1549

Complementary

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



59.2100, 34.5714, 77.6810



43.4449, 75.1039, 29.3485

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.



14.2853, 34.5714, 41.6794



59.2100, 34.5714, 77.6810



21.4006, 34.5714, 4.4926

Square

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



59.2100, 34.5714, 77.6810



44.8492, 34.5714, 3.6118



15.7814, 34.5714, 14.4548



23.2225, 34.5714, 138.0677

Rectangle

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



59.2100, 34.5714, 77.6810



60.1236, 34.5714, 16.5394



15.7814, 34.5714, 14.4548



15.4080, 34.5714, 71.7292

Sweetspot

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



59.2108, 34.5728, 77.6817



80.2744, 72.4001, 97.9593



29.1412, 18.6200, 96.6659



16.7752, 14.7443, 20.6424



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.



59.2108, 34.5728, 77.6817



56.1972, 29.7165, 73.0673



50.4971, 31.0873, 31.7958



18.6609, 18.2477, 22.0972



27.9592, 13.6730, 34.7651



2.7542, 1.3440, 3.5529

Inverse Universe

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



59.2108, 34.5728, 77.6817



56.1972, 29.7165, 73.0673



50.3620, 77.8708, 65.7737



18.6609, 18.2477, 22.0972



27.9592, 13.6730, 34.7651



2.7542, 1.3440, 3.5529

Previews

White Background



This preview shows how the XYZ color 59.2100, 34.5714, 77.6810 looks on a white background.

Color Contrast Check

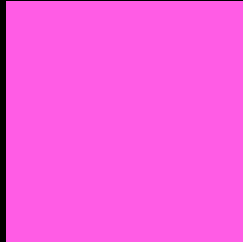
Large Text (above 18pt) WCAG AA × Fail

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 59.2100, 34.5714, 77.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

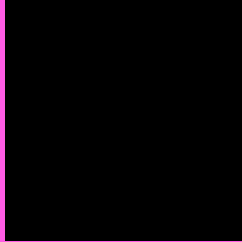
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.2100, 34.5714, 77.6810

Background



This preview shows how black text looks on a background with the XYZ color 59.2100, 34.5714, 77.6810.

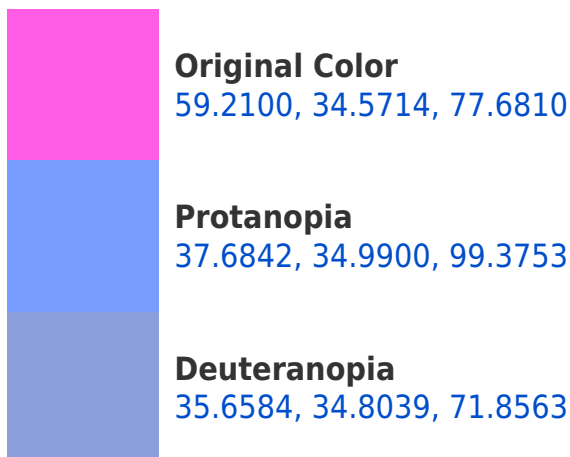


This preview shows how white text looks on a background with the XYZ color 59.2100, 34.5714,

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

48.3351, 34.4304, 24.8671

Trichromacy



Original Color

59.2100, 34.5714, 77.6810



Protanomaly

41.3843, 31.8639, 91.1579



Deuteranomaly

40.9982, 32.0479, 73.8371



Tritanomaly

51.4344, 34.0082, 39.4507

Monochromacy



Original Color

59.2100, 34.5714, 77.6810



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

38.6730, 31.4004, 48.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2100, 34.5714, 77.6810 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, 92, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 229)  
}
```

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, 92, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.2100, 34.5714, 77.6810 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, 92, 229) }
```


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

```
.border{ border-color:rgb(255, 92, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 92, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2100, 34.5714, 77.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 229) }
```

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

```
.background{ background-color: rgb(255, 92,  
229) }
```

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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