

Converting Colors

XYZ(60.3456, 34.3166, 85.8472)

Have a look what the booklet for
XYZ(60.3456, 34.3166, 85.8472)
contains.

XYZ(60.3764, 34.3677, 85.8895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(60.3764, 34.3677,
85.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	FF57F0
RGB	255, 87, 240
RGB Percent	100%, 34%, 94%
CMY	0.0000, 0.6588, 0.0588
CMYK	0.00, 0.66, 0.06, 0.00
HSL	305°, 100%, 67%
HSV	305°, 66%, 100%
XYZ	60.3764, 34.3677, 85.8895
YIQ	154.6740, 51.0150, 83.1990

Conversions

Conversions Part 2

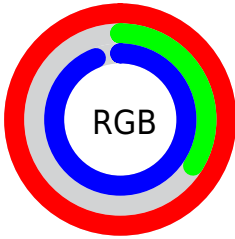
Format	Color
R _Y B	255, 87, 240
Decimal	16734192
CIE Lab	65.25, 79.58, -44.70
CIE LCh	65, 91.279, 330.676
Yxy	34.3677, 0.3342, 0.1903
Android (android.graphics.Color)	4294924272 (0xFFFF57F0)
YUV	154.6740, 42.0657, 87.9859
Hunter-Lab	58.6240, 81.2439, -45.8285

Details

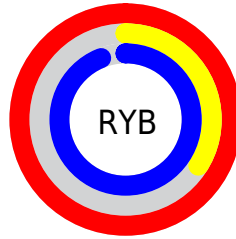
The XYZ color **60.3764, 34.3677, 85.8895** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **42.0899, 74.5061, 24.7352**, and the grayscale version is **30.8180, 32.4229, 35.3085**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **31.0529, 15.0210, 46.0624** is the 20% darker color. If you saturate the color by 10%, you get **58.3281, 30.8088, 83.5487**, and if you desaturate by 10%, it is **63.1591, 39.3883, 88.4968**.

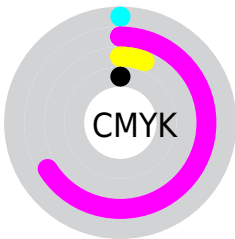
Distribution



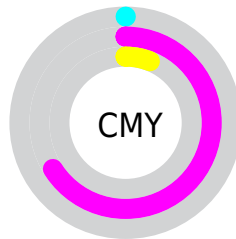
- Red (100%)
- Green (34%)
- Blue (94%)



- Red (100%)
- Yellow (34%)
- Blue (94%)



- Cyan (0%)
- Magenta (66%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.3764, 34.3677, 85.8895 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 60.3764, 34.3677, 85.8895 by changing the saturation by 10% instead.


 60.3764, 34.3677,
85.8895


 60.3764, 34.3677,
85.8895

415.7963,
321.7685, 534.7879

 43.9727, 23.1762,
64.0222

 104.4787, 66.5051,
143.5005


 30.8469, 14.7237,
46.2224

 132.9081, 88.2197,
180.0812

 20.6335, 8.6257,
32.0714


 166.0767,
114.2109, 222.4036

 12.9673, 4.4978,
21.1508

 204.3500,
144.8630, 270.8860

 7.4829, 1.9558,
13.0419

248.0932,
180.5605, 325.9472

 3.8149, 0.5816,
7.3264

297.6718,

 1.5979, 0.0000,

221.6876, 388.0055

3.5855

353.4510,
268.6288, 457.4796

■ 0.3911, 0.0000,
1.4008

■ 0.0000, 0.0000,
0.1424

■ 60.3764, 34.3677,
85.8895

■ 60.3764, 34.3677,
85.8895

■ 58.3281, 30.8088,
83.5487

■ 63.1591, 39.3883,
88.4968

■ 56.9312, 28.5463,
81.4456

■ 66.7431, 46.0047,
91.3918

■ 56.0864, 27.3811,
79.5473

■ 71.1901, 54.3403,
94.5956

■ 55.8384, 27.0994,
78.8044

■ 76.5551, 64.5051,
98.1266

82.8887, 76.6002,
102.0016

90.2378, 90.7192,
106.2364

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.



47.5053, 34.3677, 142.1689



60.3764, 34.3677, 85.8895



65.4376, 34.3677, 36.5636

Triad

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



60.3764, 34.3677, 85.8895



32.3649, 34.3677, 1.5836



15.2551, 34.3677, 88.5185

Complementary

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



60.3764, 34.3677, 85.8895



42.0899, 74.5061, 24.7352

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.



13.2043, 34.3677, 38.2908



60.3764, 34.3677, 85.8895



21.2909, 34.3677, 3.1793

Square

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



60.3764, 34.3677, 85.8895



46.8380, 34.3677, 3.0153



15.0744, 34.3677, 11.8132



21.6859, 34.3677, 144.2819

Rectangle

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



60.3764, 34.3677, 85.8895



62.8608, 34.3677, 17.0797



15.0744, 34.3677, 11.8132



14.1232, 34.3677, 69.6450

Sweetspot

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



60.3771, 34.3691, 85.8902



80.1583, 71.3759, 100.3620



26.8266, 16.8049, 96.4375



16.7794, 14.5562, 21.2496



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.



60.3771, 34.3691, 85.8902



57.8263, 29.9718, 82.8682



50.7351, 30.5122, 35.1159



18.7186, 18.2708, 22.4012



29.2057, 14.1716, 41.3294



2.8633, 1.3877, 4.1277

Inverse Universe

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



60.3771, 34.3691, 85.8902



57.8263, 29.9718, 82.8682



48.4486, 77.0496, 58.2194



18.7186, 18.2708, 22.4012



29.2057, 14.1716, 41.3294



2.8633, 1.3877, 4.1277

Previews

White Background



This preview shows how the XYZ color 60.3764, 34.3677, 85.8895 looks on a white background.

Color Contrast Check

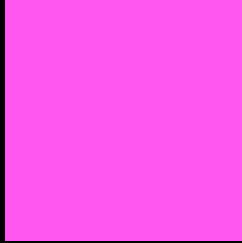
Large Text (above 18pt) WCAG AA × Fail

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 60.3764, 34.3677, 85.8895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

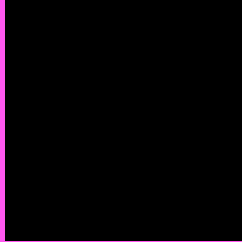
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.3764, 34.3677, 85.8895

Background



This preview shows how black text looks on a background with the XYZ color 60.3764, 34.3677, 85.8895.



This preview shows how white text looks on a background with the XYZ color 60.3764, 34.3677,

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

60.3764, 34.3677, 85.8895

Protanopia

37.4097, 34.8485, 99.3625

Deuteranopia

35.5599, 34.5964, 78.9323



Tritanopia

47.6411, 34.0726, 24.8346

Trichromacy



Original Color

60.3764, 34.3677, 85.8895



Protanomaly

41.5201, 31.4596, 94.3264



Deuteranomaly

40.8637, 31.6158, 81.0395



Tritanomaly

50.8818, 33.3639, 41.2942

Monochromacy



Original Color

60.3764, 34.3677, 85.8895



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

38.3314, 30.5868, 50.3379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3764, 34.3677, 85.8895 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, 87, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 240)  
}
```

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, 87, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 240) }
```

Border

The CSS property to change the border of an element to XYZ 60.3764, 34.3677, 85.8895 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, 87, 240) }
```


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

```
.border{ border-color:rgb(255, 87, 240) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3764, 34.3677, 85.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 240) }
```

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

```
.background{ background-color: rgb(255, 87,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor