

Converting Colors

XYZ(60.0958, 34.2360, 84.4723)

Have a look what the booklet for
XYZ(60.0958, 34.2360, 84.4723)
contains.

XYZ(60.0808, 34.2494, 84.3331)	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(60.0808, 34.2494,
84.3331)**

Conversions

Conversions Part 1

Format	Color
Hex	FF57EE
RGB	255, 87, 238
RGB Percent	100%, 34%, 93%
CMY	0.0000, 0.6588, 0.0667
CMYK	0.00, 0.66, 0.07, 0.00
HSL	306°, 100%, 67%
HSV	306°, 66%, 100%
XYZ	60.0808, 34.2494, 84.3331
YIQ	154.4460, 51.6570, 82.5770

Conversions

Conversions Part 2

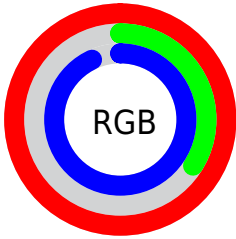
Format	Color
R _Y B	255, 87, 238
Decimal	16734190
CIE _{Lab}	65.16, 79.28, -43.74
CIE _{LCh}	65, 90.548, 331.114
Yxy	34.2494, 0.3363, 0.1917
Android (android.graphics.Color)	4294924270 (0xFFFF57EE)
YUV	154.4460, 41.1921, 88.1859
Hunter-Lab	58.5230, 80.8362, -44.4723

Details

The XYZ color **60.0808, 34.2494, 84.3331** 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 **42.1903, 74.5463, 25.2639**, and the grayscale version is **30.7213, 32.3211, 35.1977**.

A 20% lighter version of the original color is **69.8799, 49.6598, 100.5100**, and **30.8462, 14.9383, 44.9737** is the 20% darker color. If you saturate the color by 10%, you get **57.9922, 30.6745, 81.7801**, and if you desaturate by 10%, it is **62.9050, 39.2866, 87.1589**.

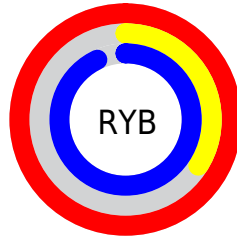
Distribution



Red (100%)

Green (34%)

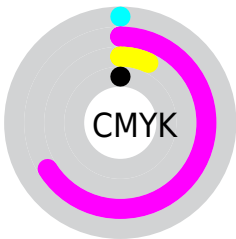
Blue (93%)



Red (100%)

Yellow (34%)

Blue (93%)

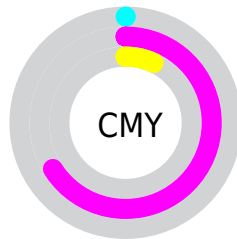


Cyan (0%)

Magenta (66%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0808, 34.2494, 84.3331 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 60.0808, 34.2494, 84.3331 by changing the saturation by 10% instead.


 60.0808, 34.2494,
84.3331

 60.0808, 34.2494,
84.3331


414.7255,
321.2427, 529.5057


 43.7335, 23.0853,
62.7435

 104.0525, 66.3213,
141.3069


 30.6580, 14.6565,
45.1941

 132.4077, 87.9979,
177.5282

 20.4891, 8.5786,
31.2663


 165.4961,
113.9474, 219.4638

 12.8614, 4.4674,
20.5415

 203.6832,
144.5542, 267.5323

 7.4095, 1.9383,
12.6013

247.3344,
180.2028, 322.1522

 3.7681, 0.5712,
7.0271

296.8149,

 1.5718, 0.0000,

221.2774, 383.7420

3.4004

352.4902,
268.1626, 452.7203

■ 0.3739, 0.0000,
1.3025

■ 0.0000, 0.0000,
0.0638

■ 60.0808, 34.2494,
84.3331

■ 60.0808, 34.2494,
84.3331

■ 57.9922, 30.6745,
81.7801

■ 62.9050, 39.2866,
87.1589

■ 56.5562, 28.3963,
79.4710

■ 66.5317, 45.9201,
90.2787

■ 55.6735, 27.2160,
77.3729

■ 71.0225, 54.2731,
93.7136

■ 55.4103, 26.9281,
76.5495

■ 76.4326, 64.4560,
97.4820

82.8126, 76.5696,
101.6010

90.2091, 90.7076,
106.0862

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.



47.4402, 34.2494, 139.9480



60.0808, 34.2494, 84.3331



64.9305, 34.2494, 35.9017

Triad

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



60.0808, 34.2494, 84.3331



32.0640, 34.2494, 1.6408



15.3532, 34.2494, 88.6040

Complementary

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



60.0808, 34.2494, 84.3331



42.1903, 74.5463, 25.2639

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.



13.2562, 34.2494, 38.7173



60.0808, 34.2494, 84.3331



21.1601, 34.2494, 3.3084

Square

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



60.0808, 34.2494, 84.3331



46.3543, 34.2494, 3.0362



15.0573, 34.2494, 12.1134



21.8054, 34.2494, 143.3751

Rectangle

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



60.0808, 34.2494, 84.3331



62.2858, 34.2494, 16.8201



15.0573, 34.2494, 12.1134



14.2078, 34.2494, 69.9211

Sweetspot

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



60.0815, 34.2508, 84.3338



80.0630, 71.3378, 99.8601



27.1454, 16.9692, 96.4524



16.7562, 14.5469, 21.1275



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.



60.0815, 34.2508, 84.3338



57.4781, 29.8326, 81.0347



50.4987, 30.4176, 33.8710



18.7088, 18.2668, 22.3495



28.9853, 14.0834, 40.1686



2.8441, 1.3800, 4.0266

Inverse Universe

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



60.0815, 34.2508, 84.3338



57.4781, 29.8326, 81.0347



48.7471, 77.1690, 59.7917



18.7088, 18.2668, 22.3495



28.9853, 14.0834, 40.1686



2.8441, 1.3800, 4.0266

Previews

White Background



This preview shows how the XYZ color 60.0808, 34.2494, 84.3331 looks on a white background.

Color Contrast Check

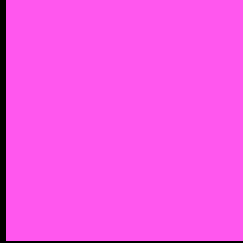
Large Text (above 18pt) WCAG AA × Fail

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 60.0808, 34.2494, 84.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

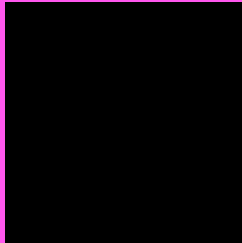
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.0808, 34.2494, 84.3331

Background



This preview shows how black text looks on a background with the XYZ color 60.0808, 34.2494, 84.3331.



This preview shows how white text looks on a background with the XYZ color 60.0808, 34.2494,

84.3331.

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

60.0808, 34.2494, 84.3331

Protanopia

37.2426, 34.5142, 99.3068

Deuteranopia

35.4378, 34.5655, 77.4771



Tritanopia

47.5749, 34.0461, 24.4862

Trichromacy



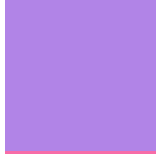
Original Color

60.0808, 34.2494, 84.3331



Protanomaly

41.2300, 31.1296, 93.4581



Deuteranomaly

40.8065, 31.6192, 79.5537



Tritanomaly

50.7882, 33.3264, 40.8016

Monochromacy



Original Color

60.0808, 34.2494, 84.3331



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

38.2254, 30.5444, 49.7799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0808, 34.2494, 84.3331 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 238) }
```

Border

The CSS property to change the border of an element to XYZ 60.0808, 34.2494, 84.3331 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, 238) }
```


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

```
.border{ border-color:rgb(255, 87, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0808, 34.2494, 84.3331 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, 238) }
```

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

```
.background{ background-color: rgb(255, 87,  
238) }
```

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