

Converting Colors

XYZ(58.1824, 35.0197, 78.4813)

Have a look what the booklet for
XYZ(58.1824, 35.0197, 78.4813)
contains.

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Color

**XYZ(58.1691, 34.9608,
78.5452)**

Conversions

Conversions Part 1

Format	Color
Hex	FA63E6
RGB	250, 99, 230
RGB Percent	98%, 39%, 90%
CMY	0.0196, 0.6117, 0.0980
CMYK	0.00, 0.60, 0.08, 0.02
HSL	308°, 94%, 68%
HSV	308°, 60%, 98%
XYZ	58.1691, 34.9608, 78.5452
YIQ	159.0830, 47.9450, 72.7530

Conversions

Conversions Part 2

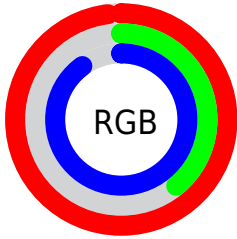
Format	Color
R _{YB}	250, 99, 230
Decimal	16409574
CIE Lab	65.72, 72.28, -38.48
CIE LCh	66, 81.880, 331.971
Yxy	34.9608, 0.3388, 0.2036
Android (android.graphics.Color)	4294599654 (0xFFFA63E6)
YUV	159.0830, 34.9621, 79.7342
Hunter-Lab	59.1277, 72.1328, -37.3715

Details

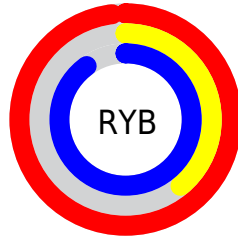
The XYZ color **58.1691, 34.9608, 78.5452** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **42.6626, 72.3571, 29.1729**, and the grayscale version is **32.8239, 34.5333, 37.6068**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **29.3917, 15.0362, 41.3976** is the 20% darker color. If you saturate the color by 10%, you get **55.6963, 30.7516, 75.4484**, and if you desaturate by 10%, it is **61.3860, 40.6424, 81.9342**.

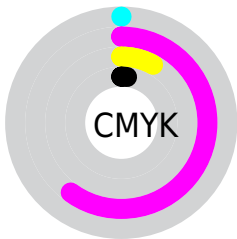
Distribution



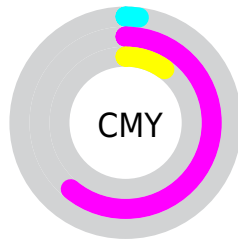
- Red (98%)
- Green (39%)
- Blue (90%)



- Red (98%)
- Yellow (39%)
- Blue (90%)



- Cyan (0%)
- Magenta (60%)
- Yellow (8%)
- Black (2%)





- Cyan (2%)
- Magenta (61%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1691, 34.9608, 78.5452 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 58.1691, 34.9608, 78.5452 by changing the saturation by 10% instead.


 58.1691, 34.9608,
78.5452


 58.1691, 34.9608,
78.5452

407.7595,
324.3953, 509.5933


 42.1884, 23.6327,
58.0028


 101.2906, 67.4250,
133.1113

 29.4406, 15.0614,
41.3962


 129.1621, 89.3299,
167.9720

 19.5603, 8.8625,
28.3068


 161.7280,
115.5292, 208.4427

 12.1823, 4.6516,
18.3160

 199.3535,
146.4073, 254.9418

 6.9410, 2.0443,
11.0053

242.4041,
182.3485, 307.8879

 3.4712, 0.6330,
5.9562

291.2450,

 1.4076, 0.0000,

223.7374, 367.6995

2.7501

346.2417,
270.9581, 434.7951

■ 0.2616, 0.0000,
0.9685

■ 0.0000, 0.0000,
0.0000

■ 58.1691, 34.9608,
78.5452

■ 58.1691, 34.9608,
78.5452

■ 55.6963, 30.7516,
75.4484

■ 61.3860, 40.6424,
81.9342

■ 53.8937, 27.8695,
72.6181


■ 65.4045, 47.9139,
85.6339


■ 52.6786, 26.1486,
70.0268

■ 70.2808, 56.8866,
89.6636

■ 51.9344, 25.3281,
67.7196

■ 76.0649, 67.6605,
94.0402

 82.8029, 80.3278,
98.7793

 90.5378, 94.9744,
103.8954

 92.9433, 98.9476,
107.2800

 93.2348, 99.0642,
108.8150

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.0716, 34.9608, 126.6832



58.1691, 34.9608, 78.5452



62.1861, 34.9608, 35.8288

Triad

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



58.1691, 34.9608, 78.5452



32.4384, 34.9608, 2.8040



17.1927, 34.9608, 85.1298

Complementary

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



58.1691, 34.9608, 78.5452



42.6626, 72.3571, 29.1729

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.



15.0334, 34.9608, 40.3952



58.1691, 34.9608, 78.5452



22.4073, 34.9608, 4.9610

Square

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



58.1691, 34.9608, 78.5452



45.3515, 34.9608, 4.3970



16.6840, 34.9608, 14.6212



23.4859, 34.9608, 131.8404

Rectangle

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



58.1691, 34.9608, 78.5452



59.6853, 34.9608, 18.2434



16.6840, 34.9608, 14.6212



16.0388, 34.9608, 68.6873

Sweetspot

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



58.1703, 34.9624, 78.5459



81.1514, 73.7446, 99.5142



29.0036, 19.5831, 92.6947



16.9561, 15.0095, 21.0008



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.



58.1703, 34.9624, 78.5459



57.8975, 31.5690, 78.4068



49.9635, 31.6797, 35.3297



17.8883, 17.4827, 21.2675



27.5861, 13.4502, 36.1246



2.5816, 1.2564, 3.4859

Inverse Universe

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



58.1703, 34.9624, 78.5459



57.8975, 31.5690, 78.4068



48.8601, 74.8361, 61.8086



17.8883, 17.4827, 21.2675



27.5861, 13.4502, 36.1246



2.5816, 1.2564, 3.4859

Previews

White Background



This preview shows how the XYZ color 58.1691, 34.9608, 78.5452 looks on a white background.

Color Contrast Check

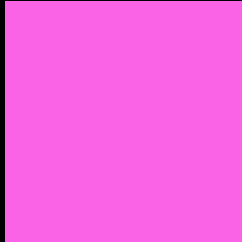
Large Text (above 18pt) WCAG AA × Fail

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 58.1691, 34.9608, 78.5452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

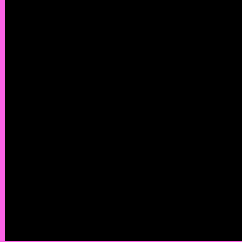
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1691, 34.9608, 78.5452

Background



This preview shows how black text looks on a background with the XYZ color 58.1691, 34.9608, 78.5452.



This preview shows how white text looks on a background with the XYZ color 58.1691, 34.9608,

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

58.1691, 34.9608, 78.5452

Protanopia

37.9921, 35.3989, 99.4380

Deuteranopia

35.9603, 35.1965, 72.6084



Tritanopia

47.5719, 34.9137, 26.7860

Trichromacy



Original Color

58.1691, 34.9608, 78.5452



Protanomaly

41.5872, 32.5870, 91.2868



Deuteranomaly

41.2226, 32.9764, 74.7134



Tritanomaly

50.7150, 34.5885, 41.5394

Monochromacy



Original Color

58.1691, 34.9608, 78.5452



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

39.4408, 32.6006, 50.1127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1691, 34.9608, 78.5452 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(250, 99, 230)` looks like.

```
.text, #text, p{  
    color:rgb(250, 99, 230)  
}
```

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(250, 99, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 99, 230) }
```

Border

The CSS property to change the border of an element to XYZ 58.1691, 34.9608, 78.5452 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(250, 99, 230) }
```


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

```
.border{ border-color:rgb(250, 99, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 99, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 99, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 99, 230);  
box-shadow:4px 4px 4px 4px rgb(250, 99,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1691, 34.9608, 78.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 99, 230) }
```

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

```
.background{ background-color: rgb(250, 99,  
230) }
```

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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