

Converting Colors

XYZ(66.6699, 39.5606,
143.0779)

Have a look what the booklet for
XYZ(66.6699, 39.5606, 143.0779)
contains.

XYZ(58.2180, 36.2047, 98.5275)	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(58.2180, 36.2047,
98.5275)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6EFF
RGB	236, 110, 255
RGB Percent	93%, 43%, 100%
CMY	0.0745, 0.5686, 0.0000
CMYK	0.07, 0.57, 0.00, 0.00
HSL	292°, 100%, 72%
HSV	292°, 57%, 100%
XYZ	58.2180, 36.2047, 98.5275
YIQ	164.2040, 28.5510, 71.8070

Conversions

Conversions Part 2

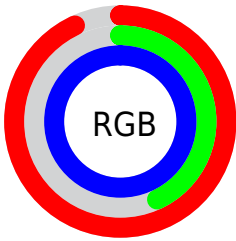
Format	Color
R _Y B	236, 110, 255
Decimal	15494911
CIE Lab	66.68, 68.27, -50.90
CIE LCh	67, 85.155, 323.290
Yxy	36.2047, 0.3017, 0.1876
Android (android.graphics.Color)	4293684991 (0xFFEC6EFF)
YUV	164.2040, 44.7624, 62.9651
Hunter-Lab	60.1703, 67.4101, -54.9667

Details

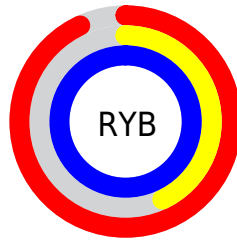
The XYZ color **58.2180, 36.2047, 98.5275** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.6285, 77.3133, 27.1660**, and the grayscale version is **35.1691, 37.0006, 40.2937**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **29.5083, 15.7920, 54.9190** is the 20% darker color. If you saturate the color by 10%, you get **54.7534, 30.9060, 97.6874**, and if you desaturate by 10%, it is **62.4972, 43.0998, 99.6329**.

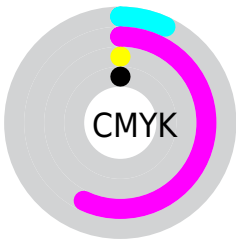
Distribution



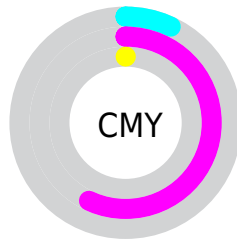
- Red (93%)
- Green (43%)
- Blue (100%)



- Red (93%)
- Yellow (43%)
- Blue (100%)



- Cyan (7%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2180, 36.2047, 98.5275 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 58.2180, 36.2047, 98.5275 by changing the saturation by 10% instead.

 58.2180, 36.2047,
98.5275


 58.2180, 36.2047,
98.5275

407.9385,
329.8544, 576.6676

 42.2279, 24.5923,
74.4613


 101.3614, 69.3479,
161.1663

 29.4717, 15.7736,
54.6726


 129.2454, 91.6475,
200.5761

 19.5840, 9.3641,
38.7429


 161.8247,
118.2783, 245.9375

 12.1995, 4.9794,
26.2535

199.4647,
149.6248, 297.6690

 6.9529, 2.2352,
16.7859

242.5307,
186.0712, 356.1893

 3.4787, 0.7391,
9.9216

291.3881,

 1.4117, 0.0000,

228.0020, 421.9168

5.2421

346.4023,
275.8016, 495.2700

■ 0.2645, 0.0000,
2.3288

■ 0.0000, 0.0000,
0.7473

■ 58.2180, 36.2047,
98.5275

■ 58.2180, 36.2047,
98.5275

■ 54.7534, 30.9060,
97.6874

■ 62.4972, 43.0998,
99.6329

■ 52.0295, 27.0591,
97.0884

■ 67.6491, 51.7102,
101.0233

■ 49.9653, 24.5013,
96.7035

■ 73.7305, 62.1485,
102.7176

■ 48.4567, 23.0242,
96.4979

■ 80.7925, 74.5168,
104.7327

■ 48.0483, 22.6847,
96.4539

■ 88.8824, 88.9092,
107.0843

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.



45.1158, 36.2047, 146.4323



58.2180, 36.2047, 98.5275



65.1853, 36.2047, 48.2648

Triad

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



58.2180, 36.2047, 98.5275



37.3749, 36.2047, 2.6518



16.3624, 36.2047, 74.4723

Complementary

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



58.2180, 36.2047, 98.5275



47.6285, 77.3133, 27.1660

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.



15.2662, 36.2047, 31.7291



58.2180, 36.2047, 98.5275



25.5503, 36.2047, 3.6232

Square

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



58.2180, 36.2047, 98.5275



51.3639, 36.2047, 5.5777



18.1818, 36.2047, 10.4752



21.6716, 36.2047, 127.5128

Rectangle

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



58.2180, 36.2047, 98.5275



64.4354, 36.2047, 25.3079



18.1818, 36.2047, 10.4752



15.5540, 36.2047, 57.9945

Sweetspot

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



58.2193, 36.2062, 98.5277



80.6872, 74.3308, 104.7023



32.3759, 26.3250, 97.9826



16.9500, 15.3451, 22.3185



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.



58.2193, 36.2062, 98.5277



54.4070, 30.3972, 97.6074



57.4577, 36.6695, 59.8245



18.5448, 18.1726, 22.7802



25.1976, 11.9003, 50.4035



2.5157, 1.1908, 4.9105

Inverse Universe

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



50.7792, 33.9981, 24.6559



46.7422, 28.2404, 16.1694



48.8172, 77.4858, 47.1136



18.1062, 18.0258, 19.1766



21.7249, 11.1792, 1.9358



2.1439, 1.0999, 0.3392

Previews

White Background



This preview shows how the XYZ color 58.2180, 36.2047, 98.5275 looks on a white background.

Color Contrast Check

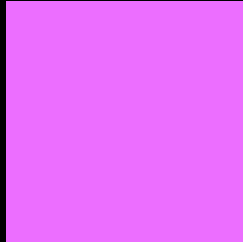
Large Text (above 18pt) WCAG AA × Fail

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 58.2180, 36.2047, 98.5275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

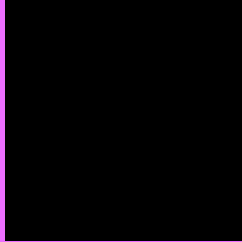
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2180, 36.2047, 98.5275

Background



This preview shows how black text looks on a background with the XYZ color 58.2180, 36.2047, 98.5275.



This preview shows how white text looks on a background with the XYZ color 58.2180, 36.2047,

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

58.2180, 36.2047, 98.5275

Protanopia

39.0783, 36.7216, 99.6361

Deuteranopia

37.7233, 36.7054, 92.2854



Tritanopia

44.6375, 35.8765, 33.0060

Trichromacy



Original Color

58.2180, 36.2047, 98.5275



Protanomaly

43.2401, 34.5653, 99.0005



Deuteranomaly

42.2312, 34.3770, 94.0321

Tritanomaly

48.4748, 35.4001, 51.8549

Monochromacy



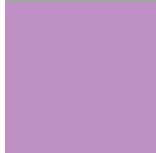
Original Color

58.2180, 36.2047, 98.5275



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

41.2865, 34.9249, 57.3885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2180, 36.2047, 98.5275 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(236, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 110, 255)  
}
```

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(236, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 110, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2180, 36.2047, 98.5275 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(236, 110, 255) }
```


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

```
.border{ border-color:rgb(236, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 110,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2180, 36.2047, 98.5275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 110, 255) }
```

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

```
.background{ background-color: rgb(236,  
110, 255) }
```

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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