

Converting Colors

XYZ(59.4126, 38.0678, 68.2187)

Have a look what the booklet for
XYZ(59.4126, 38.0678, 68.2187)
contains.

XYZ(59.5231, 38.2009, 68.5263)	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(59.5231, 38.2009,
68.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	FF72D7
RGB	255, 114, 215
RGB Percent	100%, 45%, 84%
CMY	0.0000, 0.5529, 0.1569
CMYK	0.00, 0.55, 0.16, 0.00
HSL	317°, 100%, 72%
HSV	317°, 55%, 100%
XYZ	59.5231, 38.2009, 68.5263
YIQ	167.6730, 51.6150, 61.3030

Conversions

Conversions Part 2

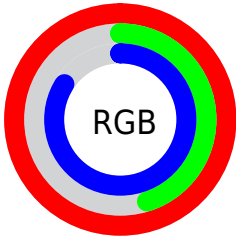
Format	Color
R _Y B	255, 114, 215
Decimal	16741079
CIE Lab	68.17, 64.98, -26.28
CIE LCh	68, 70.095, 337.984
Yxy	38.2009, 0.3580, 0.2298
Android (android.graphics.Color)	4294931159 (0xFFFF72D7)
YUV	167.6730, 23.3322, 76.5858
Hunter-Lab	61.8069, 63.7424, -22.4710

Details

The XYZ color **59.5231, 38.2009, 68.5263** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.5336, 77.4312, 42.9623**, and the grayscale version is **36.9322, 38.8555, 42.3136**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **30.2170, 16.8725, 34.9218** is the 20% darker color. If you saturate the color by 10%, you get **56.1279, 32.8656, 62.9094**, and if you desaturate by 10%, it is **63.7626, 45.1590, 74.6284**.

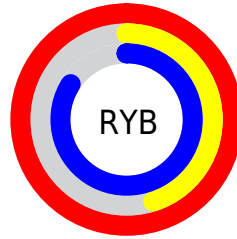
Distribution



Red (100%)

Green (45%)

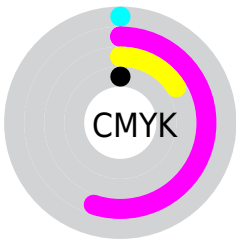
Blue (84%)



Red (100%)

Yellow (45%)

Blue (84%)

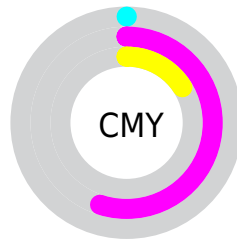


Cyan (0%)

Magenta (55%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5231, 38.2009, 68.5263 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 59.5231, 38.2009, 68.5263 by changing the saturation by 10% instead.

59.5231, 38.2009,
68.5263

59.5231, 38.2009,
68.5263

412.7007,
338.4810, 474.0071

43.2823, 26.1387,
49.8567

103.2478, 72.4160,
118.7661

30.3022, 16.9274,
34.9291

131.4625, 95.3376,
151.1733

20.2173, 10.1827,
23.3252

164.3993,
122.6477, 188.9967

12.6623, 5.5203,
14.6262

202.4234,
154.7309, 232.6550

7.2718, 2.5556,
8.4138

245.9002,
191.9714, 282.5667

3.6805, 0.9044,
4.2693

295.1951,

1.5230, 0.0000,

234.7536, 339.1502

1.7742

350.6735,
283.4620, 402.8241

■ 0.3414, 0.0000,
0.4109

■ 0.0000, 0.0000,
0.0000

■ 59.5231, 38.2009,
68.5263

■ 59.5231, 38.2009,
68.5263

■ 56.1279, 32.8656,
62.9094

■ 63.7626, 45.1590,
74.6284

■ 53.5055, 29.0109,
57.7498

■ 68.9049, 53.8562,
81.2363

■ 51.5764, 26.4785,
53.0190

■ 75.0062, 64.4041,
88.3718

■ 50.2412, 25.0710,
48.6810

■ 82.1174, 76.9032,
96.0542

■ 49.7516, 24.6646,
46.7515

■ 90.2853, 91.4471,
104.3016

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.



50.8623, 38.2009, 109.4811



59.5231, 38.2009, 68.5263



61.3923, 38.2009, 33.7716

Triad

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



59.5231, 38.2009, 68.5263



33.4634, 38.2009, 5.9047



22.1189, 38.2009, 90.8085

Complementary

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



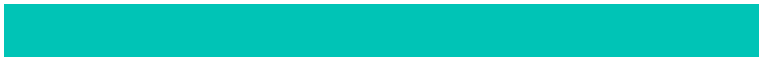
59.5231, 38.2009, 68.5263



48.5336, 77.4312, 42.9623

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.



19.2007, 38.2009, 50.5403



59.5231, 38.2009, 68.5263



24.8356, 38.2009, 9.8792

Square

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



59.5231, 38.2009, 68.5263



44.7832, 38.2009, 7.0037



20.0841, 38.2009, 22.8443



28.9772, 38.2009, 126.2288

Rectangle

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



59.5231, 38.2009, 68.5263



58.2449, 38.2009, 19.2384



20.0841, 38.2009, 22.8443



20.7146, 38.2009, 76.7700

Sweetspot

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



59.5239, 38.2025, 68.5270



80.8287, 74.6252, 94.7020



37.3860, 26.1218, 97.6793



16.9847, 15.4158, 19.9343



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.



59.5239, 38.2025, 68.5270



55.9175, 32.5453, 62.5290



52.3347, 35.3269, 30.6691



18.5600, 18.2073, 21.5661



26.0636, 12.9147, 24.7833



2.5847, 1.2762, 2.6603

Inverse Universe

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



59.5239, 38.2025, 68.5270



55.9175, 32.5453, 62.5290



56.2162, 80.5042, 83.4185



18.5600, 18.2073, 21.5661



26.0636, 12.9147, 24.7833



2.5847, 1.2762, 2.6603

Previews

White Background



This preview shows how the XYZ color 59.5231, 38.2009, 68.5263 looks on a white background.

Color Contrast Check

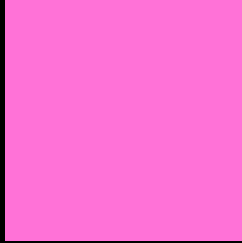
Large Text (above 18pt) WCAG AA × Fail

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 59.5231, 38.2009, 68.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

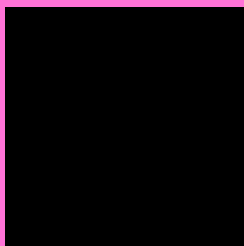
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5231, 38.2009, 68.5263

Background



This preview shows how black text looks on a background with the XYZ color 59.5231, 38.2009, 68.5263.



This preview shows how white text looks on a background with the XYZ color 59.5231, 38.2009,

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

59.5231, 38.2009, 68.5263

Protanopia

40.9968, 38.7937, 98.2557

Deuteranopia

39.2600, 38.3808, 64.3705



Tritanopia

51.2818, 37.9298, 29.8176

Trichromacy



Original Color

59.5231, 38.2009, 68.5263



Protanomaly

44.4493, 36.3735, 86.3394



Deuteranomaly

44.5232, 36.6397, 65.6983



Tritanomaly

53.8258, 37.8184, 41.5085

Monochromacy



Original Color

59.5231, 38.2009, 68.5263



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.1663, 36.9620, 50.7582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5231, 38.2009, 68.5263 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, 114, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 215)  
}
```

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, 114, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 215) }
```

Border

The CSS property to change the border of an element to XYZ 59.5231, 38.2009, 68.5263 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, 114, 215) }
```


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

```
.border{ border-color:rgb(255, 114, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5231, 38.2009, 68.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 215) }
```

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

```
.background{ background-color: rgb(255,  
114, 215) }
```

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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