

Converting Colors

XYZ(81.1944, 62.9246,
165.8306)

Have a look what the booklet for
XYZ(81.1944, 62.9246, 165.8306)
contains.

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Color

**XYZ(69.1659, 58.1006,
102.1768)**

Conversions

Conversions Part 1

Format	Color
Hex	ECB5FF
RGB	236, 181, 255
RGB Percent	93%, 71%, 100%
CMY	0.0745, 0.2902, 0.0000
CMYK	0.07, 0.29, 0.00, 0.00
HSL	285°, 100%, 85%
HSV	285°, 29%, 100%
XYZ	69.1659, 58.1006, 102.1768
YIQ	205.8810, 9.0260, 34.6740

Conversions

Conversions Part 2

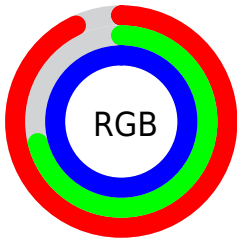
Format	Color
R _Y B	236, 181, 255
Decimal	15513087
CIE Lab	80.79, 32.51, -28.92
CIE LCh	81, 43.514, 318.349
Yxy	58.1006, 0.3015, 0.2532
Android (android.graphics.Color)	4293703167 (0xFFECB5FF)
YUV	205.8810, 24.2157, 26.4144
Hunter-Lab	76.2237, 28.5804, -26.1207

Details

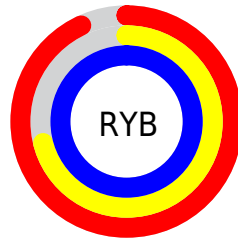
The XYZ color **69.1659, 58.1006, 102.1768** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.9213, 87.1362, 56.9579**, and the grayscale version is **58.4377, 61.4810, 66.9528**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **36.5026, 29.0993, 57.1189** is the 20% darker color. If you saturate the color by 10%, you get **62.3140, 47.5641, 100.5042**, and if you desaturate by 10%, it is **77.0498, 70.5808, 104.1702**.

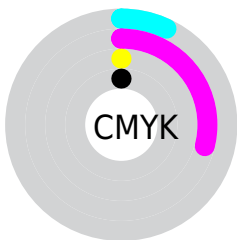
Distribution



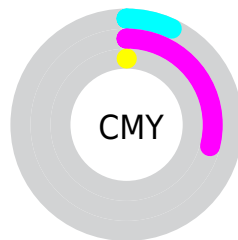
- Red (93%)
- Green (71%)
- Blue (100%)



- Red (93%)
- Yellow (71%)
- Blue (100%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1659, 58.1006, 102.1768 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 69.1659, 58.1006, 102.1768 by changing the saturation by 10% instead.

69.1659, 58.1006,
102.1768

69.1659, 58.1006,
102.1768

446.9281,
417.5607, 588.4556

51.1240, 41.8895,
77.4927

117.0513,
102.0693, 166.2233

36.5287, 29.0148,
57.1434

147.6254,
130.5958, 206.4228

25.0148, 19.0920,
40.7102

183.1077,
163.9962, 252.6312

16.2169, 11.7368,
27.7748

223.8634,
202.6549, 305.2670

9.7696, 6.5647,
17.9184

270.2579,
246.9563, 364.7489

5.3075, 3.1914,
10.7226

322.6567,

2.4654, 1.2325,

297.2848, 431.4952

5.7688

381.4249,
354.0248, 505.9246

■ 0.8778, 0.0880,
2.6385

■ 0.0000, 0.0000,
0.9122

■ 69.1659, 58.1006,
102.1768

■ 69.1659, 58.1006,
102.1768

■ 62.3140, 47.5641,
100.5042

■ 77.0498, 70.5808,
104.1702

■ 56.4363, 38.8599,
99.1339

■ 86.0092, 85.0935,
106.4993

■ 51.4769, 31.8765,
98.0474

95.0500, 100.0000,
108.9000

■ 47.3716, 26.4870,
97.2235

■ 44.0475, 22.5464,
96.6381

■ 41.4179, 19.8832,
96.2626

■ 39.3554, 18.2437,
96.0549

■ 39.1677, 18.1066,
96.0383

Harmonies

Analogous

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



60.8428, 58.1006, 122.8133



69.1659, 58.1006, 102.1768



73.9330, 58.1006, 73.7905

Triad

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



69.1659, 58.1006, 102.1768



58.7863, 58.1006, 26.1195



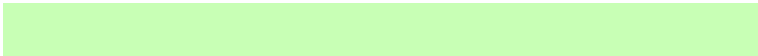
40.3927, 58.1006, 80.1534

Complementary

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



69.1659, 58.1006, 102.1768



67.9213, 87.1362, 56.9579

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.



39.9700, 58.1006, 53.7853



69.1659, 58.1006, 102.1768



49.9601, 58.1006, 26.9580

Square

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



69.1659, 58.1006, 102.1768



67.5204, 58.1006, 33.0223



43.2922, 58.1006, 35.7443



44.5172, 58.1006, 107.9087

Rectangle

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



69.1659, 58.1006, 102.1768



74.1432, 58.1006, 56.3449



43.2922, 58.1006, 35.7443



39.8308, 58.1006, 70.7225

Sweetspot

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



69.1676, 58.1030, 102.1772



86.0260, 85.1209, 106.5037



57.9327, 58.6952, 102.8837



18.1193, 17.7395, 22.7190



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.



69.1676, 58.1030, 102.1772



64.9472, 51.5717, 101.1390



73.1585, 60.4673, 88.5001



18.3107, 18.0519, 22.7692



20.6120, 9.5364, 50.1889



2.1083, 0.9808, 4.8915

Inverse Universe

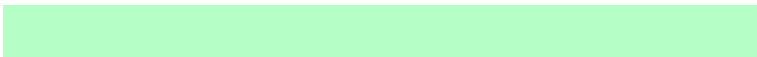
The Inverse Universe completely reimagines the original color for something new.



68.1906, 58.4801, 62.3393



63.9798, 52.1012, 54.6380



65.0415, 85.4341, 66.6522



18.2007, 18.0636, 19.6742



22.1053, 11.3314, 3.9393



2.1944, 1.1201, 0.6053

Previews

White Background



This preview shows how the XYZ color 69.1659, 58.1006, 102.1768 looks on a white background.

Color Contrast Check

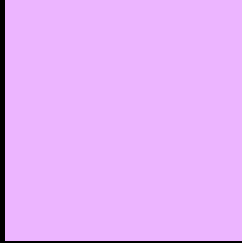
Large Text (above 18pt) WCAG AA × Fail

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 69.1659, 58.1006, 102.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

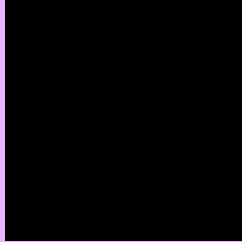
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.1659, 58.1006, 102.1768

Background



This preview shows how black text looks on a background with the XYZ color 69.1659, 58.1006, 102.1768.



This preview shows how white text looks on a background with the XYZ color 69.1659, 58.1006,

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

69.1659, 58.1006, 102.1768

Protanopia

58.7231, 58.5060, 102.8055

Deuteranopia

59.7851, 58.4301, 100.2226



Tritanopia

61.9633, 58.3274, 65.7501

Trichromacy



Original Color

69.1659, 58.1006, 102.1768



Protanomaly

61.8015, 57.7566, 102.4986



Deuteranomaly

62.6549, 57.9088, 100.8037

Tritanomaly

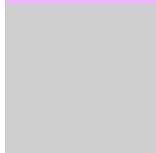
64.3683, 58.0242, 77.6192

Monochromacy



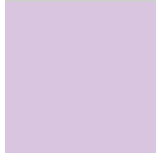
Original Color

69.1659, 58.1006, 102.1768



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.0361, 60.0660, 78.8453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1659, 58.1006, 102.1768 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, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 181, 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, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.1659, 58.1006, 102.1768 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, 181, 255) }
```


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

```
.border{ border-color:rgb(236, 181, 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, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1659, 58.1006, 102.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 181, 255) }
```

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

```
.background{ background-color: rgb(236,  
181, 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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