

Converting Colors

XYZ(79.2020, 63.8779,
159.3781)

Have a look what the booklet for
XYZ(79.2020, 63.8779, 159.3781)
contains.

XYZ(68.4535, 59.5836, 102.5006)	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(68.4535, 59.5836,
102.5006)**

Conversions

Conversions Part 1

Format	Color
Hex	E6BBFF
RGB	230, 187, 255
RGB Percent	90%, 73%, 100%
CMY	0.0980, 0.2666, 0.0000
CMYK	0.10, 0.27, 0.00, 0.00
HSL	278°, 100%, 87%
HSV	278°, 27%, 100%
XYZ	68.4535, 59.5836, 102.5006
YIQ	207.6090, 3.8000, 30.2640

Conversions

Conversions Part 2

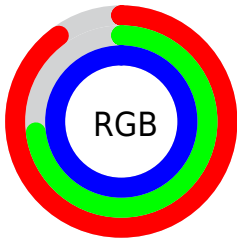
Format	Color
R _Y B	230, 187, 255
Decimal	15121407
CIE Lab	81.61, 27.44, -27.72
CIE LCh	82, 39.006, 314.716
Yxy	59.5836, 0.2969, 0.2585
Android (android.graphics.Color)	4293311487 (0xFFE6BBFF)
YUV	207.6090, 23.3638, 19.6369
Hunter-Lab	77.1904, 23.2130, -24.6975

Details

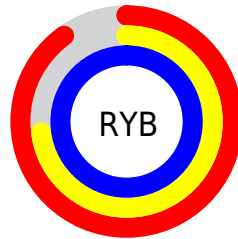
The XYZ color **68.4535, 59.5836, 102.5006** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.8822, 89.1054, 60.4268**, and the grayscale version is **59.5547, 62.6562, 68.2326**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **36.0361, 29.8509, 57.2886** is the 20% darker color. If you saturate the color by 10%, you get **60.5888, 48.2003, 100.7179**, and if you desaturate by 10%, it is **77.4439, 72.9762, 104.6118**.

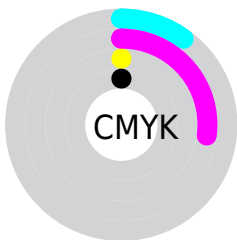
Distribution



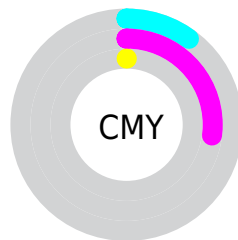
- Red (90%)
- Green (73%)
- Blue (100%)



- Red (90%)
- Yellow (73%)
- Blue (100%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4535, 59.5836, 102.5006 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 68.4535, 59.5836, 102.5006 by changing the saturation by 10% instead.

68.4535, 59.5836,
102.5006

68.4535, 59.5836,
102.5006

444.4527,
423.0612, 589.4954

50.5418, 43.0831,
77.7620

116.0390,
104.2254, 166.6711

36.0636, 29.9503,
57.3632

146.4435,
133.1355, 206.9402

24.6537, 19.8009,
40.8856

181.7430,
166.9508, 253.2231

15.9466, 12.2504,
27.9107

222.3029,
206.0559, 305.9385

9.5770, 6.9144,
18.0199

268.4884,
250.8351, 365.5049

5.1795, 3.4086,
10.7947

320.6650,

2.3888, 1.3486,

301.6728, 432.3408

5.8165

379.1980,
358.9534, 506.8648

■ 0.8395, 0.1784,
2.6669

■ 0.0000, 0.0000,
0.9267

■ 68.4535, 59.5836,
102.5006

■ 68.4535, 59.5836,
102.5006

■ 60.5888, 48.2003,
100.7179

■ 77.4439, 72.9762,
104.6118

■ 53.7913, 38.7159,
99.2455

■ 87.6045, 88.4660,
107.0661

■ 48.0047, 31.0207,
98.0652

95.0500, 100.0000,
108.9000

■ 43.1648, 24.9901,
97.1563

■ 39.1991, 20.4831,
96.4954

■ 36.0230, 17.3348,
96.0551

■ 33.5306, 15.3376,
95.8009

■ 32.7989, 14.8233,
95.7402

Harmonies

Analogous

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



60.7287, 59.5836, 119.0179



68.4535, 59.5836, 102.5006



73.2258, 59.5836, 77.5084

Triad

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



68.4535, 59.5836, 102.5006



60.8866, 59.5836, 30.3657



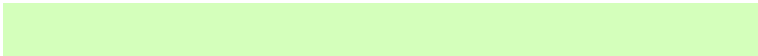
42.7233, 59.5836, 77.0239

Complementary

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



68.4535, 59.5836, 102.5006



71.8822, 89.1054, 60.4268

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.



42.7567, 59.5836, 53.6973



68.4535, 59.5836, 102.5006



52.7246, 59.5836, 30.2961

Square

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



68.4535, 59.5836, 102.5006



68.5787, 59.5836, 38.0317



46.2572, 59.5836, 37.8110



46.1609, 59.5836, 102.0730

Rectangle

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



68.4535, 59.5836, 102.5006



73.8252, 59.5836, 61.2375



46.2572, 59.5836, 37.8110



42.3404, 59.5836, 68.6567

Sweetspot

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



68.4552, 59.5860, 102.5010



86.1784, 86.2731, 106.7180



62.3564, 65.4089, 103.9464



18.1073, 17.9471, 22.7597



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.



68.4552, 59.5860, 102.5010



64.1220, 53.2685, 101.5100



75.8102, 63.5222, 96.3155



18.1073, 17.9471, 22.7597



17.3082, 7.8332, 50.0343



1.8056, 0.8247, 4.8773

Inverse Universe

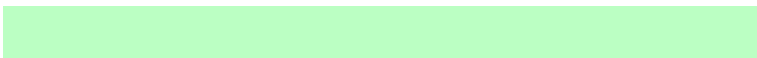
The Inverse Universe completely reimagines the original color for something new.



70.8953, 61.5562, 70.4338



67.0875, 55.6316, 63.9517



66.0979, 86.0227, 64.7130



18.2854, 18.0975, 20.1202



22.6641, 11.5549, 6.8817



2.2572, 1.1453, 0.9358

Previews

White Background



This preview shows how the XYZ color 68.4535, 59.5836, 102.5006 looks on a white background.

Color Contrast Check

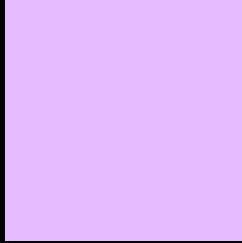
Large Text (above 18pt) WCAG AA × Fail

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 68.4535, 59.5836, 102.5006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

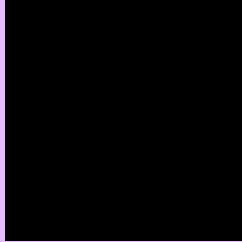
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4535, 59.5836, 102.5006

Background



This preview shows how black text looks on a background with the XYZ color 68.4535, 59.5836, 102.5006.

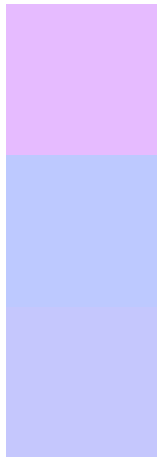


This preview shows how white text looks on a background with the XYZ color 68.4535, 59.5836,

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

68.4535, 59.5836, 102.5006

Protanopia

59.9229, 59.8121, 102.9944

Deuteranopia

61.1790, 59.8090, 101.2483



Tritanopia

61.7044, 59.4213, 69.8453

Trichromacy



Original Color

68.4535, 59.5836, 102.5006



Protanomaly

62.6918, 59.5372, 102.7954



Deuteranomaly

63.6990, 59.7413, 101.9399



Tritanomaly

64.0788, 59.4141, 80.7638

Monochromacy



Original Color

68.4535, 59.5836, 102.5006



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

62.5638, 61.3437, 79.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4535, 59.5836, 102.5006 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(230, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 187, 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(230, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.4535, 59.5836, 102.5006 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(230, 187, 255) }
```


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

```
.border{ border-color:rgb(230, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4535, 59.5836, 102.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 187, 255) }
```

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

```
.background{ background-color: rgb(230,  
187, 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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