

Converting Colors

XYZ(63.7838, 56.6655,
102.1835)

Have a look what the booklet for
XYZ(63.7838, 56.6655, 102.1835)
contains.

XYZ(63.7179, 56.5169, 102.1583)	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(63.7179, 56.5169,
102.1583)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B9FF
RGB	216, 185, 255
RGB Percent	85%, 73%, 100%
CMY	0.1529, 0.2745, 0.0000
CMYK	0.15, 0.27, 0.00, 0.00
HSL	267°, 100%, 86%
HSV	267°, 27%, 100%
XYZ	63.7179, 56.5169, 102.1583
YIQ	202.2490, -3.9940, 28.3420

Conversions

Conversions Part 2

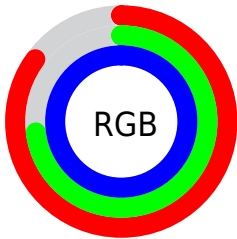
Format	Color
R _Y B	216, 185, 255
Decimal	14203391
CIE Lab	79.91, 24.21, -30.44
CIE LCh	80, 38.890, 308.496
Yxy	56.5169, 0.2865, 0.2541
Android (android.graphics.Color)	4292393471 (0xFFD8B9FF)
YUV	202.2490, 26.0062, 12.0596
Hunter-Lab	75.1777, 19.7291, -27.9442

Details

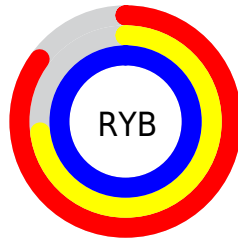
The XYZ color **63.7179, 56.5169, 102.1583** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.2586, 90.8706, 59.4747**, and the grayscale version is **56.1405, 59.0642, 64.3209**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **32.9415, 28.0533, 57.1047** is the 20% darker color. If you saturate the color by 10%, you get **54.8369, 44.7182, 100.3490**, and if you desaturate by 10%, it is **73.9218, 70.4205, 104.3041**.

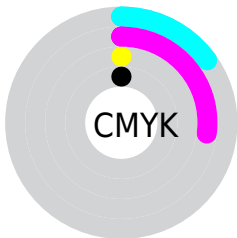
Distribution



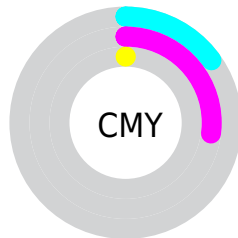
- Red (85%)
- Green (73%)
- Blue (100%)



- Red (85%)
- Yellow (73%)
- Blue (100%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7179, 56.5169, 102.1583 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 63.7179, 56.5169, 102.1583 by changing the saturation by 10% instead.


 63.7179, 56.5169,
102.1583

 63.7179, 56.5169,
102.1583


427.7886,
411.6366, 588.3961

 46.6831, 40.6175,
77.4773


 109.2806, 99.7599,
166.1977

 32.9921, 28.0203,
57.1308

138.5391,
127.8724, 206.3932

 22.2796, 18.3410,
40.7002

172.6029,
160.8246, 252.5974

 14.1802, 11.1951,
27.7670

211.8374,
199.0010, 305.2287

 8.3287, 6.1982,
17.9126

256.6078,
242.7860, 364.7056

 4.3595, 2.9660,
10.7184

307.2796,

 1.9075, 1.1140,

292.5641, 431.4469

5.7661

364.2181,
348.7194, 505.8708

■ 0.5812, 0.0000,
2.6369

■ 0.0000, 0.0000,
0.9114

■ 63.7179, 56.5169,
102.1583

■ 63.7179, 56.5169,
102.1583

■ 54.8369, 44.7182,
100.3490

■ 73.9218, 70.4205,
104.3041

■ 47.2134, 34.9106,
98.8577

■ 85.4998, 86.5213,
106.8017

■ 40.7839, 26.9796,
97.6658

95.0500, 100.0000,
108.9000

■ 35.4762, 20.7959,
96.7520

■ 31.2094, 16.2131,
96.0923

■ 27.8895, 13.0594,
95.6585

■ 25.3967, 11.1122,
95.4140

■ 24.8508, 10.7260,
95.3683

Harmonies

Analogous

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



55.9887, 56.5169, 115.2432



63.7179, 56.5169, 102.1583



69.0936, 56.5169, 78.8649

Triad

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



63.7179, 56.5169, 102.1583



59.4689, 56.5169, 29.3354



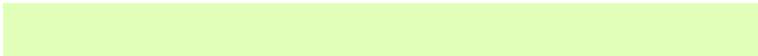
40.0752, 56.5169, 68.1774

Complementary

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



63.7179, 56.5169, 102.1583



75.2586, 90.8706, 59.4747

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.



40.8109, 56.5169, 46.9540



63.7179, 56.5169, 102.1583



51.5088, 56.5169, 27.8091

Square

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



63.7179, 56.5169, 102.1583



66.4783, 56.5169, 38.2743



44.8226, 56.5169, 33.4266



42.7043, 56.5169, 92.7135

Rectangle

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



63.7179, 56.5169, 102.1583



70.3430, 56.5169, 62.6841



44.8226, 56.5169, 33.4266



39.9428, 56.5169, 60.4046

Sweetspot

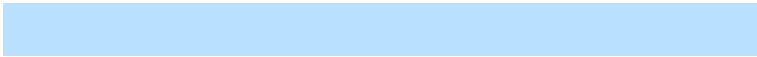
The Sweet Spot groups the original color and five complimentary colors.



63.7196, 56.5192, 102.1586



84.8254, 85.5756, 106.6547



64.8944, 71.2063, 104.9316



17.7665, 17.7714, 22.7438



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.



63.7196, 56.5192, 102.1586



58.6297, 49.7159, 101.1138



74.9439, 62.3055, 102.6839



17.7665, 17.7714, 22.7438



13.1503, 5.6897, 49.8397



1.4036, 0.6175, 4.8585

Inverse Universe

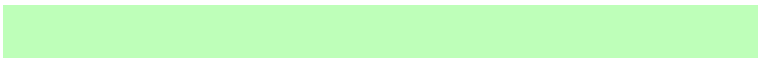
The Inverse Universe completely reimagines the original color for something new.



72.0448, 61.3418, 78.5655



68.3946, 55.3772, 73.2312



65.6706, 85.9278, 59.0260



18.4331, 18.1566, 20.8979



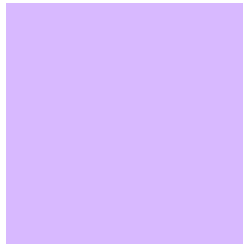
24.1792, 12.1610, 14.8601



2.4093, 1.2061, 1.7365

Previews

White Background



This preview shows how the XYZ color 63.7179, 56.5169, 102.1583 looks on a white background.

Color Contrast Check

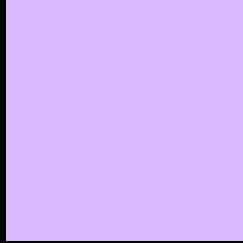
Large Text (above 18pt) WCAG AA × Fail

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 63.7179, 56.5169, 102.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

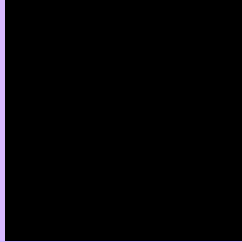
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7179, 56.5169, 102.1583

Background



This preview shows how black text looks on a background with the XYZ color 63.7179, 56.5169, 102.1583.



This preview shows how white text looks on a background with the XYZ color 63.7179, 56.5169,

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

63.7179, 56.5169, 102.1583

Protanopia

57.0813, 56.6449, 102.5328

Deuteranopia

58.2310, 56.9409, 100.8501



Tritanopia

56.8128, 56.5969, 68.2515

Trichromacy



Original Color

63.7179, 56.5169, 102.1583

Protanomaly

59.1478, 56.3886, 102.3744

Deuteranomaly

60.0734, 56.5595, 101.5168

Tritanomaly

59.2222, 56.6015, 79.7553

Monochromacy



Original Color

63.7179, 56.5169, 102.1583

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

58.5232, 57.9657, 76.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7179, 56.5169, 102.1583 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(216, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 185, 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(216, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7179, 56.5169, 102.1583 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(216, 185, 255) }
```


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

```
.border{ border-color:rgb(216, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7179, 56.5169, 102.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 185, 255) }
```

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

```
.background{ background-color: rgb(216,  
185, 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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