

Converting Colors

XYZ(59.7854, 56.6813, 77.7184)

Have a look what the booklet for
XYZ(59.7854, 56.6813, 77.7184)
contains.

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Color

**XYZ(59.7571, 56.6017,
77.5877)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BEDF
RGB	215, 190, 223
RGB Percent	84%, 75%, 87%
CMY	0.1569, 0.2549, 0.1255
CMYK	0.04, 0.15, 0.00, 0.13
HSL	285°, 34%, 81%
HSV	285°, 15%, 87%
XYZ	59.7571, 56.6017, 77.5877
YIQ	201.2370, 4.3070, 15.5630

Conversions

Conversions Part 2

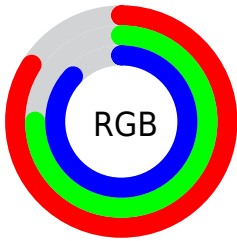
Format	Color
R_{YB}	215, 190, 223
Decimal	14139103
CIE _{Lab}	79.96, 14.74, -13.20
CIE _{LCh}	80, 19.785, 318.156
Yxy	56.6017, 0.3081, 0.2918
Android (android.graphics.Color)	4292329183 (0xFFD7BEDF)
YUV	201.2370, 10.7292, 12.0702
Hunter-Lab	75.2341, 10.1197, -8.4809

Details

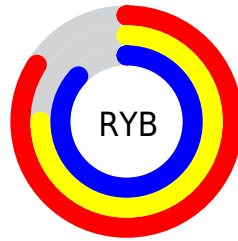
The XYZ color **59.7571, 56.6017, 77.5877** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.9726, 68.5002, 58.8317**, and the grayscale version is **55.5994, 58.4949, 63.7010**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **30.5107, 28.1921, 40.8793** is the 20% darker color. If you saturate the color by 10%, you get **53.7309, 46.8665, 76.0271**, and if you desaturate by 10%, it is **66.5781, 67.8468, 79.3996**.

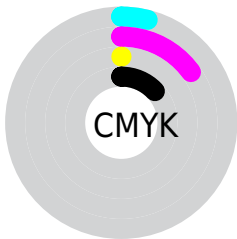
Distribution



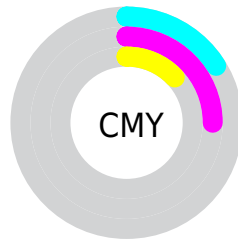
- Red (84%)
- Green (75%)
- Blue (87%)



- Red (84%)
- Yellow (75%)
- Blue (87%)



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (16%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7571, 56.6017, 77.5877 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 59.7571, 56.6017, 77.5877 by changing the saturation by 10% instead.

■ 59.7571, 56.6017,
77.5877

■ 59.7571, 56.6017,
77.5877

413.5510,
411.9551, 506.2563

■ 43.4716, 40.6855,
57.2209

■ 103.5856, 99.8838,
131.7493

■ 30.4514, 28.0735,
40.7721

131.8593,
128.0185, 166.3812

■ 20.3313, 18.3810,
27.8227

164.8597,
160.9949, 206.6053

■ 12.7457, 11.2239,
17.9542

202.9523,
199.1973, 252.8400

■ 7.3295, 6.2176,
10.7480

246.5024,
243.0101, 305.5039

■ 3.7172, 2.9779,
5.7856

295.8753,

■ 1.5434, 1.1202,

292.8178, 365.0155

2.6485

351.4363,
349.0046, 431.7935

■ 0.3551, 0.0000,
0.9173

■ 0.0000, 0.0000,
0.0000

■ 59.7571, 56.6017,
77.5877

■ 59.7571, 56.6017,
77.5877

■ 53.7309, 46.8665,
76.0271

■ 66.5781, 67.8468,
79.3996

■ 48.4605, 38.5666,
74.7028

■ 74.2207, 80.6573,
81.4694

■ 43.9110, 31.6321,
73.6041

■ 82.1057, 93.8734,
83.6048

■ 40.0426, 25.9842,
72.7178

■ 83.8801, 94.7882,
83.6879

■ 36.8115, 21.5361,
72.0296

■ 85.7088, 95.7309,
83.7734

■ 34.1684, 18.1898,
71.5230

■ 87.5924, 96.7019,
83.8616

■ 32.0561, 15.8320,
71.1792

■ 89.5314, 97.7015,
83.9523

■ 30.4049, 14.3238,
70.9751

■ 90.3194, 98.1078,
83.9892

■ 29.6684, 13.7560,
70.9043

Harmonies

Analogous

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



56.2400, 56.6017, 85.1173



59.7571, 56.6017, 77.5877



61.7136, 56.6017, 66.2799

Triad

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



59.7571, 56.6017, 77.5877



55.3984, 56.6017, 42.4236



46.7906, 56.6017, 68.7796

Complementary

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



59.7571, 56.6017, 77.5877



58.9726, 68.5002, 58.8317

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.



46.5904, 56.6017, 57.2021



59.7571, 56.6017, 77.5877



51.4281, 56.6017, 42.9168

Square

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



59.7571, 56.6017, 77.5877



59.1146, 56.6017, 46.5817



48.2493, 56.6017, 48.0250



48.8105, 56.6017, 79.6125

Rectangle

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



59.7571, 56.6017, 77.5877



61.8081, 56.6017, 58.5456



48.2493, 56.6017, 48.0250



46.5120, 56.6017, 64.8202

Sweetspot

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



59.7588, 56.6041, 77.5889



90.9780, 93.1979, 107.8017



54.8080, 56.7799, 77.8838



19.3135, 19.6827, 23.0312



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.



59.7588, 56.6041, 77.5889



78.1389, 72.0803, 104.4023



61.0802, 57.4107, 71.9852



13.9534, 13.7595, 17.3081



17.5508, 8.1431, 41.6951



1.2952, 0.6050, 2.8938

Inverse Universe

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



59.0398, 56.5946, 61.2408



77.0135, 72.0894, 77.7240



57.8468, 67.8127, 63.6201



13.8428, 13.7547, 14.9423



18.3230, 9.3962, 3.1005



1.3051, 0.6653, 0.3994

Previews

White Background



This preview shows how the XYZ color 59.7571, 56.6017, 77.5877 looks on a white background.

Color Contrast Check

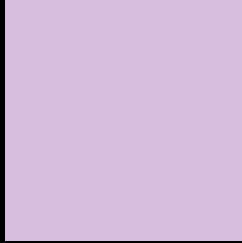
Large Text (above 18pt) WCAG AA × Fail

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 59.7571, 56.6017, 77.5877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

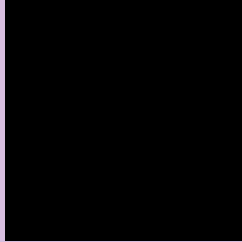
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.7571, 56.6017, 77.5877

Background



This preview shows how black text looks on a background with the XYZ color 59.7571, 56.6017, 77.5877.



This preview shows how white text looks on a background with the XYZ color 59.7571, 56.6017,

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

59.7571, 56.6017, 77.5877

Protanopia

55.8237, 56.8160, 80.6974

Deuteranopia

57.7084, 56.5357, 76.9782



Tritanopia

57.8957, 56.8401, 67.5943

Trichromacy



Original Color

59.7571, 56.6017, 77.5877

Protanomaly

57.1066, 56.4921, 79.8457

Deuteranomaly

58.3289, 56.5285, 76.9441

Tritanomaly

58.5914, 56.7995, 70.8261

Monochromacy



Original Color

59.7571, 56.6017, 77.5877

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

56.9285, 57.6578, 68.4502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7571, 56.6017, 77.5877 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(215, 190, 223)` looks like.

```
.text, #text, p{  
    color:rgb(215, 190, 223)  
}
```

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(215, 190, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 190, 223) }
```

Border

The CSS property to change the border of an element to XYZ 59.7571, 56.6017, 77.5877 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(215, 190, 223) }
```


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

```
.border{ border-color:rgb(215, 190, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 190, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 190, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 190, 223);  
box-shadow:4px 4px 4px 4px rgb(215, 190,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7571, 56.6017, 77.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 190, 223) }
```

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

```
.background{ background-color: rgb(215,  
190, 223) }
```

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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