

Converting Colors

XYZ(63.3023, 56.6813, 80.0371)

Have a look what the booklet for
XYZ(63.3023, 56.6813, 80.0371)
contains.

XYZ(63.5272, 56.9020, 80.3080)	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(63.5272, 56.9020,
80.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	E5B9E3
RGB	229, 185, 227
RGB Percent	90%, 73%, 89%
CMY	0.1020, 0.2745, 0.1098
CMYK	0.00, 0.19, 0.01, 0.10
HSL	303°, 46%, 81%
HSV	303°, 19%, 90%
XYZ	63.5272, 56.9020, 80.3080
YIQ	202.9440, 12.7420, 22.3900

Conversions

Conversions Part 2

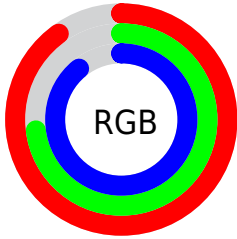
Format	Color
R _Y B	229, 185, 227
Decimal	15055331
CIE _{Lab}	80.12, 22.83, -14.97
CIE _{LCh}	80, 27.304, 326.751
Yxy	56.9020, 0.3165, 0.2835
Android (android.graphics.Color)	4293245411 (0xFFE5B9E3)
YUV	202.9440, 11.8596, 22.8511
Hunter-Lab	75.4334, 18.3175, -10.3180

Details

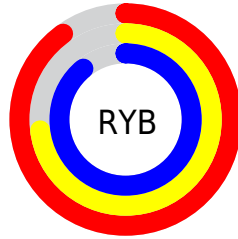
The XYZ color **63.5272, 56.9020, 80.3080** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.9988, 69.9425, 57.5129**, and the grayscale version is **56.6534, 59.6038, 64.9085**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **32.9312, 28.3653, 42.7691** is the 20% darker color. If you saturate the color by 10%, you get **58.9744, 48.0247, 78.0842**, and if you desaturate by 10%, it is **68.8558, 67.3277, 82.7961**.

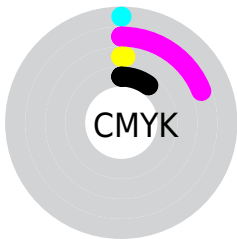
Distribution



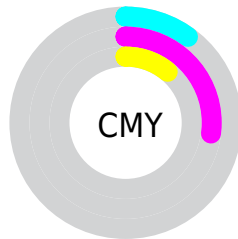
- Red (90%)
- Green (73%)
- Blue (89%)



- Red (90%)
- Yellow (73%)
- Blue (89%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (10%)




- Cyan (10%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5272, 56.9020, 80.3080 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 63.5272, 56.9020, 80.3080 by changing the saturation by 10% instead.


 63.5272, 56.9020,
80.3080

 63.5272, 56.9020,
80.3080


427.1096,
413.0820, 515.7043

 46.5281, 40.9266,
59.4442


 109.0073,
100.3222, 135.6140

 32.8691, 28.2617,
42.5484


138.2190,
128.5357, 170.8932

 22.1850, 18.5230,
29.2022


172.2323,
161.5974, 211.8147

 14.1102, 11.3261,
18.9869

211.4124,
199.8916, 258.7969

 8.2796, 6.2867,
11.4841

256.1249,
243.8028, 312.2585

 4.3277, 3.0202,
6.2752

306.7350,

 1.8891, 1.1423,

293.7153, 372.6179

2.9417

363.6081,
350.0136, 440.2936

■ 0.5705, 0.0138,
1.0649

■ 0.0000, 0.0000,
0.0000

■ 63.5272, 56.9020,
80.3080

■ 63.5272, 56.9020,
80.3080

■ 58.9744, 48.0247,
78.0842

■ 68.8558, 67.3277,
82.7961

■ 55.1554, 40.6147,
76.1085

■ 74.9896, 79.3631,
85.5561

■ 52.0321, 34.5946,
74.3691

■ 81.9625, 93.0754,
88.6002

■ 49.5608, 29.8771,
72.8512

■ 82.5208, 93.9572,
89.5104

47.6928, 26.3649,
71.5388

82.6685, 94.0162,
90.2880

46.3728, 23.9473,
70.4132

82.8170, 94.0756,
91.0703

45.5352, 22.4931,
69.4527

82.9665, 94.1354,
91.8571

45.0762, 21.7946,
68.6226

83.1168, 94.1955,
92.6487

45.0458, 21.7512,
68.5593

83.2680, 94.2560,
93.4448

Harmonies

Analogous

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



59.0404, 56.9020, 93.5207



63.5272, 56.9020, 80.3080



65.4763, 56.9020, 63.7085

Triad

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



63.5272, 56.9020, 80.3080



54.6920, 56.9020, 36.1373



45.0867, 56.9020, 76.7869

Complementary

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



63.5272, 56.9020, 80.3080



56.9988, 69.9425, 57.5129

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.



44.0957, 56.9020, 60.2371



63.5272, 56.9020, 80.3080



49.4124, 56.9020, 38.4380

Square

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



63.5272, 56.9020, 80.3080



60.1603, 56.9020, 39.7144



45.6257, 56.9020, 46.6383



48.4306, 56.9020, 91.2553

Rectangle

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



63.5272, 56.9020, 80.3080



64.9817, 56.9020, 53.5437



45.6257, 56.9020, 46.6383



44.4777, 56.9020, 71.2076

Sweetspot

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



63.5289, 56.9045, 80.3092



90.2500, 90.5790, 106.7485



51.8576, 50.8556, 81.2127



19.2103, 19.1780, 22.8001



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.



63.5289, 56.9045, 80.3092



78.6826, 67.9474, 101.3409



60.7480, 55.7921, 65.6651



14.9653, 14.6033, 18.0178



25.7672, 12.4411, 39.2645



1.9129, 0.9229, 2.9479

Inverse Universe

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



63.5289, 56.9045, 80.3092



78.6826, 67.9474, 101.3409



59.4716, 70.9316, 70.5347



14.9653, 14.6033, 18.0178



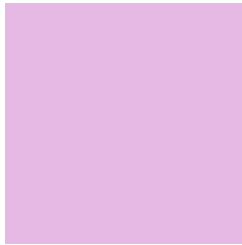
25.7672, 12.4411, 39.2645



1.9129, 0.9229, 2.9479

Previews

White Background



This preview shows how the XYZ color 63.5272, 56.9020, 80.3080 looks on a white background.

Color Contrast Check

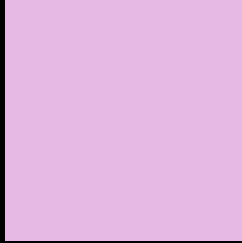
Large Text (above 18pt) WCAG AA × Fail

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 63.5272, 56.9020, 80.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

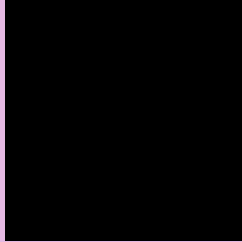
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5272, 56.9020, 80.3080

Background



This preview shows how black text looks on a background with the XYZ color 63.5272, 56.9020, 80.3080.



This preview shows how white text looks on a background with the XYZ color 63.5272, 56.9020,

80.3080.

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

63.5272, 56.9020, 80.3080

Protanopia

56.4475, 57.0070, 86.6256

Deuteranopia

58.3360, 57.1416, 79.1890



Tritanopia

60.4607, 56.9236, 64.9275

Trichromacy



Original Color

63.5272, 56.9020, 80.3080

Protanomaly

58.8123, 56.9453, 84.2357

Deuteranomaly

60.0898, 57.0487, 79.7959

Tritanomaly

61.5454, 57.0508, 70.0555

Monochromacy



Original Color

63.5272, 56.9020, 80.3080

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

58.7750, 58.2304, 70.4292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5272, 56.9020, 80.3080 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(229, 185, 227)` looks like.

```
.text, #text, p{  
    color:rgb(229, 185, 227)  
}
```

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(229, 185, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 185, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.5272, 56.9020, 80.3080 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(229, 185, 227) }
```


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

```
.border{ border-color:rgb(229, 185, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 185, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 185, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 185, 227);  
box-shadow:4px 4px 4px 4px rgb(229, 185,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5272, 56.9020, 80.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 185, 227) }
```

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

```
.background{ background-color: rgb(229,  
185, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor