

Converting Colors

XYZ(56.8383, 57.5501, 93.3243)

Have a look what the booklet for
XYZ(56.8383, 57.5501, 93.3243)
contains.

XYZ(56.7729, 57.3589, 93.6671)	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(56.7729, 57.3589,
93.6671)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC6F4
RGB	186, 198, 244
RGB Percent	73%, 78%, 96%
CMY	0.2706, 0.2235, 0.0431
CMYK	0.24, 0.19, 0.00, 0.04
HSL	228°, 73%, 84%
HSV	228°, 24%, 96%
XYZ	56.7729, 57.3589, 93.6671
YIQ	199.6560, -21.9180, 11.7620

Conversions

Conversions Part 2

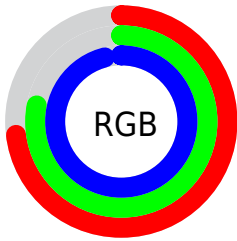
Format	Color
R _Y B	186, 196, 244
Decimal	12240628
CIE Lab	80.38, 5.65, -24.04
CIE LCh	80, 24.693, 283.228
Yxy	57.3589, 0.2732, 0.2760
Android (android.graphics.Color)	4290430708 (0xFFBAC6F4)
YUV	199.6560, 21.8616, -11.9763
Hunter-Lab	75.7357, 1.2696, -20.3127

Details

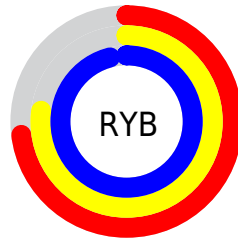
The XYZ color **56.7729, 57.3589, 93.6671** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.0285, 80.4918, 58.0380**, and the grayscale version is **54.5692, 57.4111, 62.5207**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **28.5661, 28.4829, 51.5691** is the 20% darker color. If you saturate the color by 10%, you get **47.1996, 46.2728, 92.0328**, and if you desaturate by 10%, it is **67.9271, 70.1016, 95.5398**.

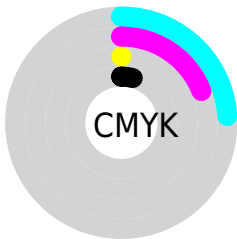
Distribution



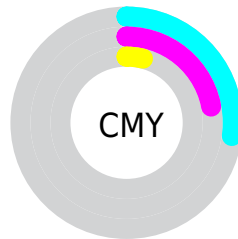
- Red (73%)
- Green (78%)
- Blue (96%)



- Red (73%)
- Yellow (77%)
- Blue (96%)



- Cyan (24%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)



- Cyan (27%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7729, 57.3589, 93.6671 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 56.7729, 57.3589, 93.6671 by changing the saturation by 10% instead.

■ 56.7729, 57.3589,
93.6671

■ 56.7729, 57.3589,
93.6671

402.6257,
414.7928, 560.7639

■ 41.0624, 41.2935,
70.4354

■ 99.2670, 100.9887,
154.4016

■ 28.5557, 28.5485,
51.4025

126.7813,
129.3218, 192.7413

■ 18.8876, 18.7395,
36.1501

158.9609,
162.5130, 236.9542

■ 11.6926, 11.4822,
24.2595

196.1711,
200.9465, 287.4587

■ 6.6054, 6.3922,
15.3123

238.7774,
245.0069, 344.6734

■ 3.2607, 3.0850,
8.8898

287.1450,

■ 1.2931, 1.1763,

295.0785, 409.0168

4.5735

341.6393,
351.5456, 480.9075

■ 0.1780, 0.0422,
1.9450

■ 0.0000, 0.0000,
0.5211

■ 56.7729, 57.3589,
93.6671

■ 56.7729, 57.3589,
93.6671

■ 47.1996, 46.2728,
92.0328

■ 67.9271, 70.1016,
95.5398

■ 39.1292, 36.7674,
90.6234

■ 80.7245, 84.5589,
97.6558

■ 32.4848, 28.7711,
89.4302

■ 93.3293, 99.3117,
99.8390

■ 27.1808, 22.2037,
88.4421

■ 23.1216, 16.9774,
87.6473

■ 20.1985, 12.9940,
87.0324

■ 18.2821, 10.1399,
86.5826

■ 17.4910, 8.8550,
86.3763

Harmonies

Analogous

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



51.7605, 57.3589, 93.0844



56.7729, 57.3589, 93.6671



61.4511, 57.3589, 85.0165

Triad

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



56.7729, 57.3589, 93.6671



61.9126, 57.3589, 45.2599



45.7295, 57.3589, 54.7595

Complementary

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



56.7729, 57.3589, 93.6671



75.0285, 80.4918, 58.0380

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.



48.1269, 57.3589, 44.2847



56.7729, 57.3589, 93.6671



57.3716, 57.3589, 39.4094

Square

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



56.7729, 57.3589, 93.6671



64.5398, 57.3589, 56.2972



52.3234, 57.3589, 39.0824



45.5913, 57.3589, 69.0443

Rectangle

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



56.7729, 57.3589, 93.6671



63.6662, 57.3589, 75.8534



52.3234, 57.3589, 39.0824



46.2908, 57.3589, 50.7337

Sweetspot

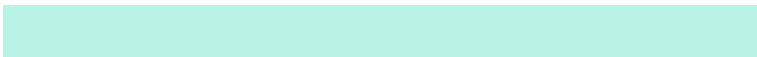
The Sweet Spot groups the original color and five complimentary colors.



56.7747, 57.3612, 93.6684



84.4342, 88.0684, 107.1565



67.0868, 80.9357, 88.0101



17.8857, 18.6397, 22.9051



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.



56.7747, 57.3612, 93.6684



56.9372, 56.6887, 102.5488



58.3640, 54.2681, 92.9876



15.8589, 16.4822, 20.8881



9.5887, 4.9712, 46.9922



0.9135, 0.5784, 4.1537

Inverse Universe

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



65.0617, 58.4297, 61.2775



67.7780, 58.3297, 60.1213



73.0724, 84.6709, 58.9477



16.6394, 16.5386, 17.8475



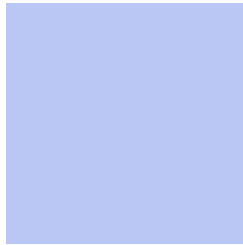
20.6444, 10.6012, 2.8361



1.8502, 0.9460, 0.4373

Previews

White Background



This preview shows how the XYZ color 56.7729, 57.3589, 93.6671 looks on a white background.

Color Contrast Check

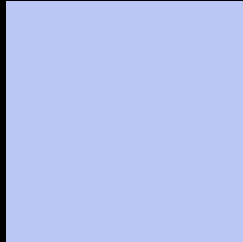
Large Text (above 18pt) WCAG AA × Fail

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 56.7729, 57.3589, 93.6671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

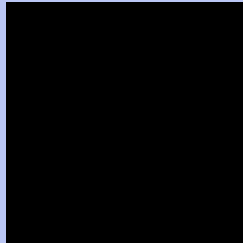
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7729, 57.3589, 93.6671

Background



This preview shows how black text looks on a background with the XYZ color 56.7729, 57.3589, 93.6671.



This preview shows how white text looks on a background with the XYZ color 56.7729, 57.3589,

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

56.7729, 57.3589, 93.6671

Protanopia

57.1302, 57.2224, 92.8280

Deuteranopia

58.7615, 57.3585, 94.3604



Tritanopia

52.9628, 57.1793, 75.2631

Trichromacy



Original Color

56.7729, 57.3589, 93.6671

Protanomaly

56.8830, 57.0949, 92.8164

Deuteranomaly

57.9596, 57.2789, 94.3873

Tritanomaly

54.4187, 57.4420, 81.6180

Monochromacy



Original Color

56.7729, 57.3589, 93.6671

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.3238, 57.4068, 73.1305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7729, 57.3589, 93.6671 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(186, 198, 244)` looks like.

```
.text, #text, p{  
    color:rgb(186, 198, 244)  
}
```

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(186, 198, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 198, 244) }
```

Border

The CSS property to change the border of an element to XYZ 56.7729, 57.3589, 93.6671 is called "border". The border property can be set on classes, ids or directly on the HTML element.

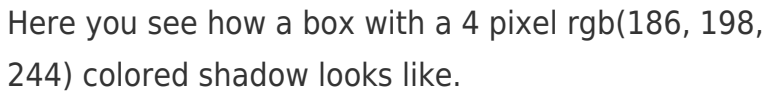
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 198, 244) }
```


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

```
.border{ border-color:rgb(186, 198, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 198, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 198, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 198, 244);  
box-shadow:4px 4px 4px 4px rgb(186, 198,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7729, 57.3589, 93.6671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 198, 244) }
```

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

```
.background{ background-color: rgb(186,  
198, 244) }
```

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