

Converting Colors

XYZ(56.9234, 56.9750, 87.3540)

Have a look what the booklet for
XYZ(56.9234, 56.9750, 87.3540)
contains.

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Color

**XYZ(56.8726, 56.8734,
87.3370)**

Conversions

Conversions Part 1

Format	Color
Hex	C1C4EC
RGB	193, 196, 236
RGB Percent	76%, 77%, 93%
CMY	0.2431, 0.2314, 0.0745
CMYK	0.18, 0.17, 0.00, 0.07
HSL	236°, 53%, 84%
HSV	236°, 18%, 93%
XYZ	56.8726, 56.8734, 87.3370
YIQ	199.6630, -14.6280, 11.8040

Conversions

Conversions Part 2

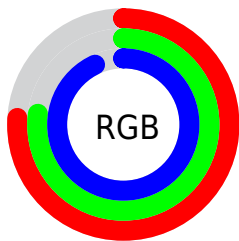
Format	Color
R_{YB}	193, 196, 236
Decimal	12698860
CIE Lab	80.11, 7.07, -20.12
CIE LCh	80, 21.330, 289.364
Yxy	56.8734, 0.2828, 0.2828
Android (android.graphics.Color)	4290888940 (0xFFC1C4EC)
YUV	199.6630, 17.9141, -5.8435
Hunter-Lab	75.4145, 2.6376, -15.8733

Details

The XYZ color **56.8726, 56.8734, 87.3370** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.3572, 79.9611, 62.0214**, and the grayscale version is **54.5938, 57.4369, 62.5488**.

A 20% lighter version of the original color is **92.5996, 97.7946, 108.6035**, and **28.5587, 28.1303, 47.1045** is the 20% darker color. If you saturate the color by 10%, you get **46.7352, 44.8278, 85.5472**, and if you desaturate by 10%, it is **68.6981, 70.8676, 89.4158**.

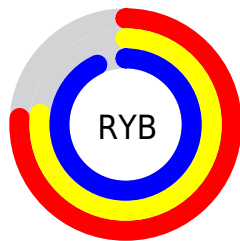
Distribution



Red (76%)

Green (77%)

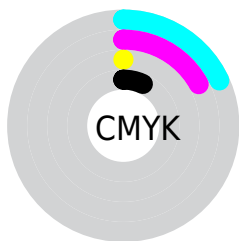
Blue (93%)



Red (76%)

Yellow (77%)

Blue (93%)

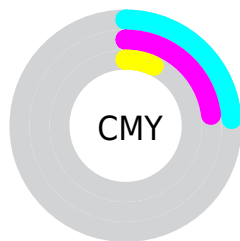


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (7%)



Cyan (24%)

Magenta (23%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8726, 56.8734, 87.3370 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 56.8726, 56.8734, 87.3370 by changing the saturation by 10% instead.

■ 56.8726, 56.8734,
87.3370

■ 56.8726, 56.8734,
87.3370

402.9937,
412.9748, 539.6745

■ 41.1427, 40.9036,
65.2129

■ 99.4117, 100.2804,
145.5368

■ 28.6188, 28.2438,
47.1813

126.9516,
128.4865, 182.4495

■ 18.9354, 18.5095,
32.8236

159.1589,
161.5400, 225.1290

■ 11.7274, 11.3164,
21.7214

196.3990,
199.8255, 273.9936

■ 6.6292, 6.2801,
13.4559

239.0371,
243.7274, 329.4619

■ 3.2756, 3.0161,
7.6089

287.4387,

■ 1.3011, 1.1402,

293.6299, 391.9524

3.7615

341.9691,
349.9176, 461.8838

■ 0.1840, 0.0120,
1.4955

■ 0.0000, 0.0000,
0.2145

■ 56.8726, 56.8734,
87.3370

■ 56.8726, 56.8734,
87.3370

■ 46.7352, 44.8278,
85.5472

■ 68.6981, 70.8676,
89.4158

■ 38.2037, 34.6376,
84.0299

■ 82.2781, 86.8840,
91.7915

■ 31.1973, 26.2126,
82.7730

■ 92.1405, 98.8362,
93.5787

■ 25.6257, 19.4524,
81.7618

■ 21.3893, 14.2462,
80.9802

■ 18.3757, 10.4698,
80.4101

■ 16.4539, 7.9801,
80.0309

■ 15.4500, 6.5972,
79.8168

■ 15.3329, 6.4410,
79.7929

Harmonies

Analogous

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



52.5299, 56.8734, 88.5270



56.8726, 56.8734, 87.3370



60.6437, 56.8734, 78.8412

Triad

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



56.8726, 56.8734, 87.3370



59.6787, 56.8734, 45.4932



46.2582, 56.8734, 57.6159

Complementary

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



56.8726, 56.8734, 87.3370



73.3572, 79.9611, 62.0214

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.



47.9643, 56.8734, 47.6208



56.8726, 56.8734, 87.3370



55.6123, 56.8734, 41.2707

Square

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



56.8726, 56.8734, 87.3370



62.3229, 56.8734, 54.3300



51.3349, 56.8734, 41.9935



46.5553, 56.8734, 70.1978

Rectangle

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



56.8726, 56.8734, 87.3370



62.2532, 56.8734, 70.7414



51.3349, 56.8734, 41.9935



46.6127, 56.8734, 53.8742

Sweetspot

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



56.8744, 56.8757, 87.3383



86.8463, 90.3265, 107.4652



66.6137, 77.1794, 88.0418



18.3511, 19.0532, 22.9604



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.



56.8744, 56.8757, 87.3383



62.8892, 61.9734, 103.2552



61.0518, 58.0342, 87.3417



14.3156, 14.7177, 19.0085



8.4850, 3.6169, 43.9939



0.6959, 0.3433, 3.4645

Inverse Universe

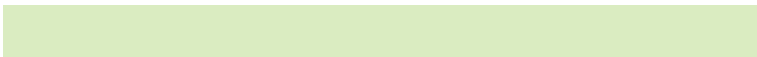
The Inverse Universe completely reimagines the original color for something new.



63.6273, 59.9599, 60.4469



72.3980, 66.3639, 65.3787



68.5606, 78.7605, 62.0424



15.1081, 15.0711, 15.8546



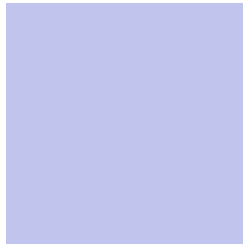
19.1381, 9.8579, 1.2627



1.5178, 0.7801, 0.1779

Previews

White Background



This preview shows how the XYZ color 56.8726, 56.8734, 87.3370 looks on a white background.

Color Contrast Check

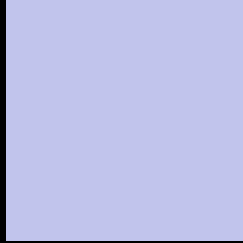
Large Text (above 18pt) WCAG AA × Fail

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 56.8726, 56.8734, 87.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

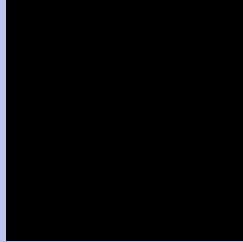
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8726, 56.8734, 87.3370

Background



This preview shows how black text looks on a background with the XYZ color 56.8726, 56.8734, 87.3370.



This preview shows how white text looks on a background with the XYZ color 56.8726, 56.8734,

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

56.8726, 56.8734, 87.3370

Protanopia

56.4875, 56.9941, 88.1445

Deuteranopia

57.9853, 56.7818, 87.2607



Tritanopia

53.9063, 57.0337, 72.4574

Trichromacy



Original Color

56.8726, 56.8734, 87.3370

Protanomaly

56.7382, 57.1233, 88.1562

Deuteranomaly

57.6814, 56.9567, 87.3105

Tritanomaly

54.9779, 57.1217, 77.9400

Monochromacy



Original Color

56.8726, 56.8734, 87.3370

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.4596, 57.5213, 71.1305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8726, 56.8734, 87.3370 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(193, 196, 236)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 236)  
}
```

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(193, 196, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 236) }
```

Border

The CSS property to change the border of an element to XYZ 56.8726, 56.8734, 87.3370 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(193, 196, 236) }
```


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

```
.border{ border-color:rgb(193, 196, 236) }
```

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

Here you see how a box with a 4 pixel rgb(193, 196, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 196, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 196, 236);  
box-shadow:4px 4px 4px 4px rgb(193, 196,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8726, 56.8734, 87.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 236) }
```

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

```
.background{ background-color: rgb(193,  
196, 236) }
```

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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