

# Converting Colors

XYZ(56.3388, 55.6881, 99.6360)

Have a look what the booklet for  
XYZ(56.3388, 55.6881, 99.6360)  
contains.

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# Color

**XYZ(56.3909, 55.6791,  
99.8705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7C2FC
RGB	183, 194, 252
RGB Percent	72%, 76%, 99%
CMY	0.2823, 0.2392, 0.0118
CMYK	0.27, 0.23, 0.00, 0.01
HSL	230°, 92%, 85%
HSV	230°, 27%, 99%
XYZ	56.3909, 55.6791, 99.8705
YIQ	197.3230, -25.1740, 15.7060

# Conversions

## Conversions Part 2

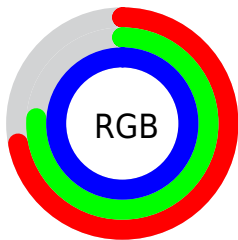
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 192, 252
Decimal	12043004
CIE <sub>Lab</sub>	79.43, 8.80, -29.79
CIE <sub>LCh</sub>	79, 31.059, 286.459
Yxy	55.6791, 0.2661, 0.2627
Android (android.graphics.Color)	4290233084 (0xFFB7C2FC)
YUV	197.3230, 26.9558, -12.5613
Hunter-Lab	74.6184, 4.3144, -27.1218

# Details

The XYZ color **56.3909, 55.6791, 99.8705** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.1483, 87.0256, 57.3749**, and the grayscale version is **53.1206, 55.8870, 60.8609**.

A 20% lighter version of the original color is **88.1708, 94.1165, 108.1269**, and **28.4285, 27.6570, 55.4698** is the 20% darker color. If you saturate the color by 10%, you get **46.5421, 44.0962, 98.1548**, and if you desaturate by 10%, it is **67.9884, 69.1635, 101.8629**.

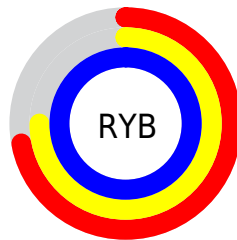
# Distribution



Red (72%)

Green (76%)

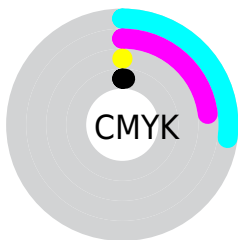
Blue (99%)



Red (72%)

Yellow (75%)

Blue (99%)

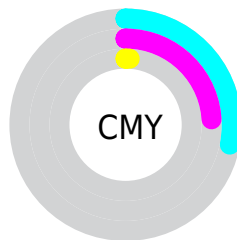


Cyan (27%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (28%)

Magenta (24%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3909, 55.6791, 99.8705 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 56.3909, 55.6791, 99.8705 by changing the saturation by 10% instead.



■ 56.3909, 55.6791,  
99.8705

■ 56.3909, 55.6791,  
99.8705

401.2142,  
408.4810, 581.0205

■ 40.7546, 39.9457,  
75.5761

■ 98.7124, 98.5352,  
163.0295

■ 28.3142, 27.4962,  
55.5804

126.1283,  
126.4268, 202.7313

■ 18.7043, 17.9462,  
39.4649

158.2015,  
159.1398, 248.4058

■ 11.5596, 10.9114,  
26.8110

195.2974,  
197.0587, 300.4718

■ 6.5146, 6.0073,  
17.2001

237.7812,  
240.5678, 359.3477

■ 3.2040, 2.8495,  
10.2138

286.0184,

■ 1.2626, 1.0537,

290.0517, 425.4521

5.4335

340.3742,  
345.8946, 499.2036

■ 0.1549, 0.0000,  
2.4406

■ 0.0000, 0.0000,  
0.8084

■ 56.3909, 55.6791,  
99.8705

■ 56.3909, 55.6791,  
99.8705

■ 46.5421, 44.0962,  
98.1548

■ 67.9884, 69.1635,  
101.8629

■ 38.3509, 34.3221,  
96.7000

■ 81.4087, 84.6233,  
104.1397

■ 31.7264, 26.2662,  
95.4942

94.5709, 99.8083,  
106.3770

■ 26.5662, 19.8272,  
94.5233

■ 22.7556, 14.8929,  
93.7717

■ 20.1622, 11.3359,  
93.2218

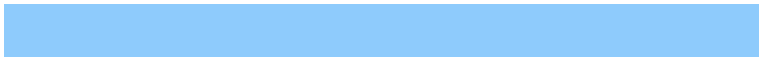
■ 18.6199, 9.0037,  
92.8529

■ 18.3357, 8.5579,  
92.7819

# Harmonies

## Analogous

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



50.1638, 55.6791, 100.5028



56.3909, 55.6791, 99.8705



62.0952, 55.6791, 87.4844

# Triad

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



56.3909, 55.6791, 99.8705



61.6164, 55.6791, 38.9885



42.1014, 55.6791, 52.9364

# Complementary

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



56.3909, 55.6791, 99.8705



80.1483, 87.0256, 57.3749

# 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.



44.6986, 55.6791, 39.9167



56.3909, 55.6791, 99.8705



55.7781, 55.6791, 32.9982

# Square

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



56.3909, 55.6791, 99.8705



65.2704, 55.6791, 51.4090



49.5970, 55.6791, 33.3007



42.2372, 55.6791, 70.8816



# Rectangle

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



56.3909, 55.6791, 99.8705



64.6897, 55.6791, 75.3975



49.5970, 55.6791, 33.3007



42.6745, 55.6791, 47.9204

# Sweetspot

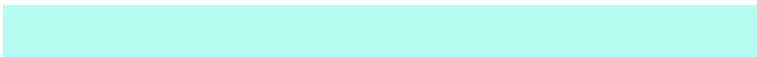
The Sweet Spot groups the original color and five complimentary colors.



56.3927, 55.6813, 99.8718



82.7106, 85.8773, 106.8244



70.1428, 86.0103, 95.7340



17.2368, 17.8453, 22.7860



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.



56.3927, 55.6813, 99.8718



52.0078, 50.2528, 101.5664



59.9593, 54.0188, 99.3629



16.5065, 17.0898, 21.8140



9.6192, 4.5940, 48.3533



0.9536, 0.5509, 4.4992



# Inverse Universe

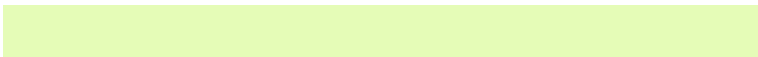
The Inverse Universe completely reimagines the original color for something new.



66.8175, 58.4592, 58.8033



64.4543, 53.8011, 52.4815



75.6720, 89.6989, 58.1268



17.3574, 17.2703, 18.4720



21.1474, 10.8747, 2.2184

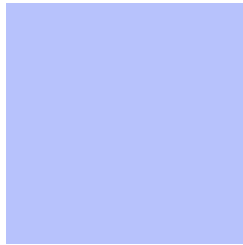


1.9903, 1.0198, 0.3721



# Previews

## White Background



This preview shows how the XYZ color 56.3909, 55.6791, 99.8705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

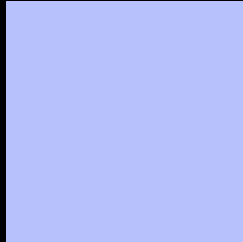
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3909, 55.6791, 99.8705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

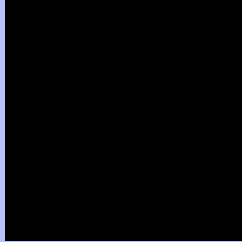
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.3909, 55.6791, 99.8705

## Background



This preview shows how black text looks on a background with the XYZ color 56.3909, 55.6791, 99.8705.



This preview shows how white text looks on a background with the XYZ color 56.3909, 55.6791,



# 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

56.3909, 55.6791, 99.8705

### Protanopia

56.1539, 55.5569, 99.8594

### Deuteranopia

56.8904, 55.6073, 99.8303



## Tritanopia

50.9534, 55.4965, 72.9921

# Trichromacy



## Original Color

56.3909, 55.6791, 99.8705

## Protanomaly

56.1539, 55.5569, 99.8594

## Deuteranomaly

56.6482, 55.4825, 99.8190

## Tritanomaly

52.9273, 55.6290, 82.0766

# Monochromacy



## Original Color

56.3909, 55.6791, 99.8705

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

54.0025, 55.6961, 73.5498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3909, 55.6791, 99.8705 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(183, 194, 252)` looks like.

```
.text, #text, p{  
    color:rgb(183, 194, 252)  
}
```

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(183, 194, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 194, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3909, 55.6791, 99.8705 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(183, 194, 252) }
```



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

```
.border{ border-color:rgb(183, 194, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 194, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 194, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 194, 252);  
box-shadow:4px 4px 4px 4px rgb(183, 194,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3909, 55.6791, 99.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 194, 252) }
```

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

```
.background{ background-color: rgb(183,  
194, 252) }
```

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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