

# Converting Colors

XYZ(56.9219, 55.5495, 78.8419)

Have a look what the booklet for  
XYZ(56.9219, 55.5495, 78.8419)  
contains.

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# Color

**XYZ(56.8500, 55.3944,  
78.9300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBBFE1
RGB	203, 191, 225
RGB Percent	80%, 75%, 88%
CMY	0.2039, 0.2510, 0.1176
CMYK	0.10, 0.15, 0.00, 0.12
HSL	261°, 36%, 82%
HSV	261°, 15%, 88%
XYZ	56.8500, 55.3944, 78.9300
YIQ	198.4640, -3.7620, 13.1180

# Conversions

## Conversions Part 2

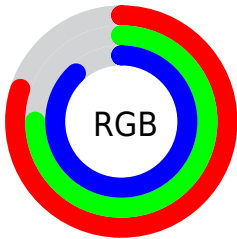
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 191, 225
Decimal	13352929
CIE Lab	79.27, 10.64, -15.41
CIE LCh	79, 18.724, 304.626
Yxy	55.3944, 0.2974, 0.2898
Android (android.graphics.Color)	4291543009 (0xFFCBBFE1)
YUV	198.4640, 13.0822, 3.9781
Hunter-Lab	74.4274, 6.0959, -10.7776

# Details

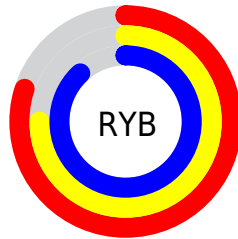
The XYZ color **56.8500, 55.3944, 78.9300** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **63.7718, 71.7596, 59.7828**, and the grayscale version is **53.8847, 56.6909, 61.7364**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **28.7386, 27.4688, 41.8175** is the 20% darker color. If you saturate the color by 10%, you get **48.5348, 44.3758, 77.2423**, and if you desaturate by 10%, it is **66.2948, 68.1171, 80.8888**.

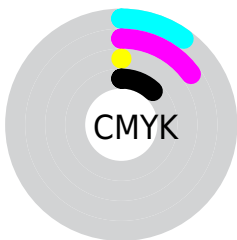
# Distribution



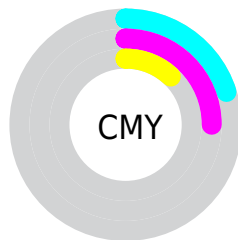
- Red (80%)
- Green (75%)
- Blue (88%)



- Red (80%)
- Yellow (75%)
- Blue (88%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (25%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8500, 55.3944, 78.9300 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 56.8500, 55.3944, 78.9300 by changing the saturation by 10% instead.



■ 56.8500, 55.3944,  
78.9300

■ 56.8500, 55.3944,  
78.9300

402.9103,  
407.4052, 510.9309

■ 41.1245, 39.7176,  
58.3173

■ 99.3789, 98.1186,  
133.6581

■ 28.6045, 27.3184,  
41.6474

126.9130,  
125.9347, 168.6105

■ 18.9246, 17.8125,  
28.5018

159.1140,  
158.5661, 209.1800

■ 11.7195, 10.8155,  
18.4619

196.3473,  
196.3971, 255.7849

■ 6.6238, 5.9429,  
11.1093

238.9782,  
239.8121, 308.8439

■ 3.2722, 2.8104,  
6.0253

287.3721,

■ 1.2993, 1.0336,

289.1955, 368.7756

2.7914

341.8944,  
344.9318, 435.9984

■ 0.1827, 0.0000,  
0.9891

■ 0.0000, 0.0000,  
0.0000

■ 56.8500, 55.3944,  
78.9300

■ 56.8500, 55.3944,  
78.9300

■ 48.5348, 44.3758,  
77.2423

■ 66.2948, 68.1171,  
80.8888

■ 41.2996, 34.9806,  
75.8102

■ 76.9059, 82.6063,  
83.1262

■ 35.0984, 27.1316,  
74.6220

■ 87.5964, 96.6727,  
85.2779

■ 29.8799, 20.7426,  
73.6639

■ 90.5908, 98.2163,  
85.4180

■ 25.5880, 15.7188,  
72.9204

■ 22.1600, 11.9535,  
72.3743

■ 19.5247, 9.3236,  
72.0056

■ 17.5964, 7.6790,  
71.7898

■ 16.8487, 7.1158,  
71.7205

# Harmonies

## Analogous

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



53.2337, 55.3944, 83.2987



56.8500, 55.3944, 78.9300



59.4298, 55.3944, 69.5929

# Triad

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



56.8500, 55.3944, 78.9300



55.7977, 55.3944, 43.5322



45.7934, 55.3944, 61.9939

# Complementary

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



56.8500, 55.3944, 78.9300



63.7718, 71.7596, 59.7828

# 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.



46.4078, 55.3944, 51.9008



56.8500, 55.3944, 78.9300



52.0720, 55.3944, 42.0034

# Square

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



56.8500, 55.3944, 78.9300



58.8024, 55.3944, 49.3377



48.6635, 55.3944, 44.8844



46.9438, 55.3944, 72.8108



# Rectangle

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



56.8500, 55.3944, 78.9300



60.1516, 55.3944, 62.2677



48.6635, 55.3944, 44.8844



45.8008, 55.3944, 58.4037

# Sweetspot

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



56.8517, 55.3967, 78.9312



88.1460, 90.6018, 107.4498



58.8978, 64.1533, 80.5136



18.6660, 19.1201, 22.9567



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.



56.8517, 55.3967, 78.9312



72.0192, 68.9255, 104.1159



61.7081, 57.9003, 79.1585



13.4061, 13.4774, 17.2825



9.8239, 4.1597, 41.3335



0.7758, 0.3372, 2.8694



# Inverse Universe

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



61.6943, 58.0757, 70.9116



79.6158, 73.1303, 91.4277



59.1221, 69.3626, 59.5652



14.0789, 13.8492, 16.1857



20.9224, 10.4360, 16.7891

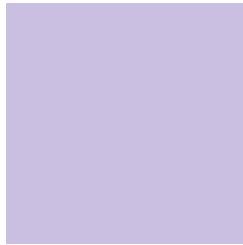


1.4923, 0.7402, 1.3850



# Previews

## White Background



This preview shows how the XYZ color 56.8500, 55.3944, 78.9300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

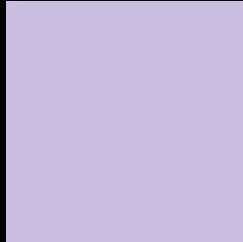
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8500, 55.3944, 78.9300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

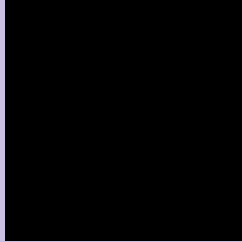
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.8500, 55.3944, 78.9300

## Background



This preview shows how black text looks on a background with the XYZ color 56.8500, 55.3944, 78.9300.



This preview shows how white text looks on a background with the XYZ color 56.8500, 55.3944,



# 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

56.8500, 55.3944, 78.9300

### Protanopia

54.6154, 55.5234, 80.5116

### Deuteranopia

56.5785, 55.2544, 78.9173



## Tritanopia

54.6198, 55.4664, 68.1489

# Trichromacy



## Original Color

56.8500, 55.3944, 78.9300

## Protanomaly

55.5249, 55.6767, 79.7717

## Deuteranomaly

56.5785, 55.2544, 78.9173

## Tritanomaly

55.4231, 55.4637, 72.0744

# Monochromacy



## Original Color

56.8500, 55.3944, 78.9300

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

54.7197, 55.8636, 67.5732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8500, 55.3944, 78.9300 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(203, 191, 225)` looks like.

```
.text, #text, p{  
    color:rgb(203, 191, 225)  
}
```

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(203, 191, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 191, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8500, 55.3944, 78.9300 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(203, 191, 225) }
```



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

```
.border{ border-color:rgb(203, 191, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 191, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 191, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 191, 225);  
box-shadow:4px 4px 4px 4px rgb(203, 191,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8500, 55.3944, 78.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 191, 225) }
```

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

```
.background{ background-color: rgb(203,  
191, 225) }
```

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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