

Converting Colors

XYZ(56.9408, 51.8909, 89.2801)

Have a look what the booklet for
XYZ(56.9408, 51.8909, 89.2801)
contains.

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Color

**XYZ(56.9513, 51.7712,
89.4293)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB4F0
RGB	204, 180, 240
RGB Percent	80%, 71%, 94%
CMY	0.2000, 0.2941, 0.0588
CMYK	0.15, 0.25, 0.00, 0.06
HSL	264°, 67%, 82%
HSV	264°, 25%, 94%
XYZ	56.9513, 51.7712, 89.4293
YIQ	194.0160, -4.9560, 23.7480

Conversions

Conversions Part 2

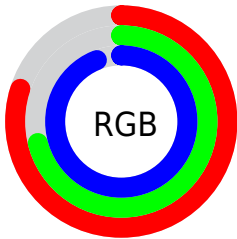
Format	Color
R_{YB}	204, 180, 240
Decimal	13415664
CIE _{Lab}	77.14, 20.04, -26.71
CIE _{LCh}	77, 33.392, 306.890
Yxy	51.7712, 0.2874, 0.2613
Android (android.graphics.Color)	4291605744 (0xFFCCB4F0)
YUV	194.0160, 22.6701, 8.7560
Hunter-Lab	71.9522, 15.3692, -23.3249

Details

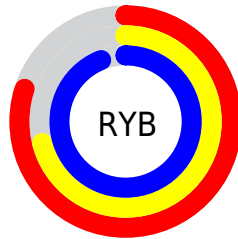
The XYZ color **56.9513, 51.7712, 89.4293** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.7190, 80.2157, 55.0964**, and the grayscale version is **51.1613, 53.8257, 58.6162**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **28.6355, 25.0290, 48.6692** is the 20% darker color. If you saturate the color by 10%, you get **48.7534, 40.9657, 87.7765**, and if you desaturate by 10%, it is **66.3563, 64.4468, 91.3811**.

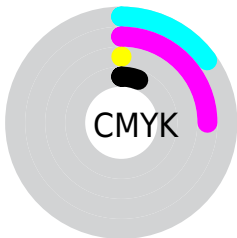
Distribution



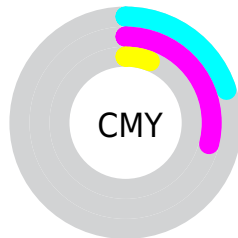
- Red (80%)
- Green (71%)
- Blue (94%)



- Red (80%)
- Yellow (71%)
- Blue (94%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (6%)





- Cyan (20%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9513, 51.7712, 89.4293 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 56.9513, 51.7712, 89.4293 by changing the saturation by 10% instead.


 56.9513, 51.7712,
89.4293

 56.9513, 51.7712,
89.4293

403.2839,
393.5527, 546.6948

 41.2061, 36.8227,
66.9364

 99.5259, 92.7937,
148.4740

 28.6686, 25.0703,
48.5716

127.0860,
119.6366, 185.8628

 18.9733, 16.1294,
33.9166


159.3152,
151.2130, 229.0541

 11.7548, 9.6158,
22.5527

196.5787,
187.9074, 278.4662

 6.6480, 5.1450,
14.0614

239.2420,
230.1042, 334.5178

 3.2873, 2.3326,
8.0241

287.6704,

 1.3075, 0.7909,

278.1877, 397.6274

4.0224

342.2293,
332.5424, 468.2135

■ 0.1888, 0.0000,
1.6376

■ 0.0000, 0.0000,
0.3175

■ 56.9513, 51.7712,
89.4293

■ 56.9513, 51.7712,
89.4293

■ 48.7534, 40.9657,
87.7765

■ 66.3563, 64.4468,
91.3811

■ 41.7046, 31.9323,
86.4044

■ 77.0131, 79.0712,
93.6422

■ 35.7492, 24.5737,
85.2980

■ 88.9698, 95.7263,
96.2268

■ 30.8244, 18.7804,
84.4393

■ 92.7283, 99.0713,
96.6743

■ 26.8602, 14.4290,
83.8083

■ 23.7763, 11.3769,
83.3818

■ 21.4763, 9.4497,
83.1310

■ 20.5519, 8.7780,
83.0501

Harmonies

Analogous

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



50.6946, 51.7712, 98.9814



56.9513, 51.7712, 89.4293



61.3856, 51.7712, 71.3285

Triad

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



56.9513, 51.7712, 89.4293



54.1851, 51.7712, 29.8194



37.9965, 51.7712, 60.6945

Complementary

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



56.9513, 51.7712, 89.4293



67.7190, 80.2157, 55.0964

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.



38.7561, 51.7712, 43.6643



56.9513, 51.7712, 89.4293



47.7487, 51.7712, 28.1712

Square

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



56.9513, 51.7712, 89.4293



59.6945, 51.7712, 37.7872



42.1986, 51.7712, 32.6646



40.0259, 51.7712, 80.2221

Rectangle

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



56.9513, 51.7712, 89.4293



62.5132, 51.7712, 58.2993



42.1986, 51.7712, 32.6646



37.9371, 51.7712, 54.4838

Sweetspot

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



56.9530, 51.7733, 89.4305



85.7865, 87.1602, 106.9099



59.3652, 65.6221, 91.9764



18.1982, 18.4304, 22.8482



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.



56.9530, 51.7733, 89.4305



60.3926, 52.8299, 101.6219



65.6553, 56.2595, 89.8377



15.4956, 15.5372, 19.9039



11.3908, 4.8776, 45.4690



1.0569, 0.4621, 3.7877

Inverse Universe

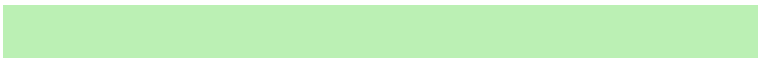
The Inverse Universe completely reimagines the original color for something new.



64.6528, 56.1278, 72.3942



70.7691, 58.7037, 78.4076



59.8936, 76.1816, 54.7302



16.1710, 15.9181, 18.4568



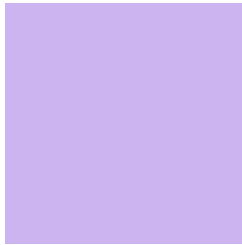
22.4948, 11.2703, 15.7881



1.9203, 0.9572, 1.5714

Previews

White Background



This preview shows how the XYZ color 56.9513, 51.7712, 89.4293 looks on a white background.

Color Contrast Check

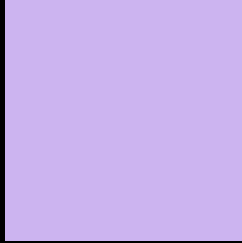
Large Text (above 18pt) WCAG AA × Fail

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 56.9513, 51.7712, 89.4293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

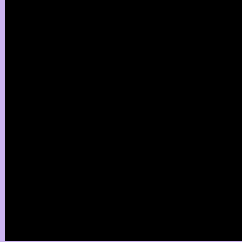
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9513, 51.7712, 89.4293

Background



This preview shows how black text looks on a background with the XYZ color 56.9513, 51.7712, 89.4293.



This preview shows how white text looks on a background with the XYZ color 56.9513, 51.7712,

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

56.9513, 51.7712, 89.4293

Protanopia

52.5223, 51.8504, 94.4287

Deuteranopia

53.1175, 51.9630, 88.8916



Tritanopia

51.7197, 51.8107, 63.1517

Trichromacy



Original Color

56.9513, 51.7712, 89.4293

Protanomaly

53.9278, 51.6687, 92.7187

Deuteranomaly

54.2063, 51.5893, 88.7621

Tritanomaly

53.3546, 51.5182, 72.0977

Monochromacy



Original Color

56.9513, 51.7712, 89.4293

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

53.2442, 53.1041, 69.0719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9513, 51.7712, 89.4293 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(204, 180, 240)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 240)  
}
```

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(204, 180, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 240) }
```

Border

The CSS property to change the border of an element to XYZ 56.9513, 51.7712, 89.4293 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(204, 180, 240) }
```


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

```
.border{ border-color:rgb(204, 180, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 240);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9513, 51.7712, 89.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 240) }
```

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

```
.background{ background-color: rgb(204,  
180, 240) }
```

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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