

Converting Colors

XYZ(55.1121, 49.6547, 94.8019)

Have a look what the booklet for
XYZ(55.1121, 49.6547, 94.8019)
contains.

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Color

**XYZ(55.0788, 49.5018,
94.6475)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B0F7
RGB	196, 176, 247
RGB Percent	77%, 69%, 97%
CMY	0.2314, 0.3098, 0.0314
CMYK	0.21, 0.29, 0.00, 0.03
HSL	257°, 82%, 83%
HSV	257°, 29%, 97%
XYZ	55.0788, 49.5018, 94.6475
YIQ	190.0740, -10.8710, 26.3210

Conversions

Conversions Part 2

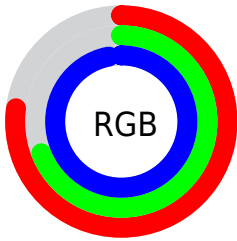
Format	Color
R _Y B	196, 176, 247
Decimal	12890359
CIE Lab	75.76, 21.33, -32.66
CIE LCh	76, 39.009, 303.143
Yxy	49.5018, 0.2765, 0.2485
Android (android.graphics.Color)	4291080439 (0xFFC4B0F7)
YUV	190.0740, 28.0645, 5.1971
Hunter-Lab	70.3575, 16.6116, -30.5088

Details

The XYZ color **55.0788, 49.5018, 94.6475** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.7771, 85.9881, 53.8379**, and the grayscale version is **48.8355, 51.3787, 55.9514**.

A 20% lighter version of the original color is **87.4146, 85.8159, 106.5646**, and **27.3617, 23.5463, 51.8180** is the 20% darker color. If you saturate the color by 10%, you get **46.3241, 38.4424, 92.9751**, and if you desaturate by 10%, it is **65.2636, 62.6087, 96.6414**.

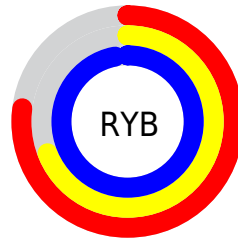
Distribution



Red (77%)

Green (69%)

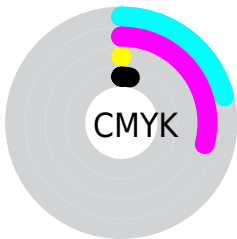
Blue (97%)



Red (77%)

Yellow (69%)

Blue (97%)

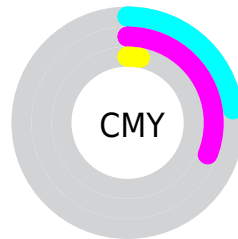


Cyan (21%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (23%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0788, 49.5018, 94.6475 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 55.0788, 49.5018, 94.6475 by changing the saturation by 10% instead.

■ 55.0788, 49.5018,
94.6475

■ 55.0788, 49.5018,
94.6475

396.3421,
384.7145, 563.9914

■ 39.6989, 35.0177,
71.2464

■ 96.8040, 89.4363,
155.7689

■ 27.4870, 23.6765,
52.0602

123.8801,
115.6555, 194.3263

■ 18.0778, 15.0938,
36.6705

155.5856,
146.5551, 238.7728

■ 11.1059, 8.8853,
24.6587

192.2859,
182.5197, 289.5269

■ 6.2059, 4.6664,
15.6062

234.3464,
223.9335, 347.0073

■ 3.0125, 2.0529,
9.0946

282.1323,

■ 1.1604, 0.6379,

271.1809, 411.6325

4.7053

336.0091,
324.6465, 483.8210

■ 0.0748, 0.0000,
2.0197

■ 0.0000, 0.0000,
0.5674

■ 55.0788, 49.5018,
94.6475

■ 55.0788, 49.5018,
94.6475

■ 46.3241, 38.4424,
92.9751

■ 65.2636, 62.6087,
96.6414

■ 38.9279, 29.3191,
91.6039

■ 76.9359, 77.8548,
98.9690

■ 32.8194, 22.0189,
90.5168

■ 90.1556, 95.3335,
101.6460

■ 27.9191, 16.4142,
89.6932

■ 93.7887, 99.4955,
102.2578

■ 24.1377, 12.3605,
89.1101

■ 21.3719, 9.6878,
88.7400

■ 19.4804, 8.1531,
88.5435

■ 19.2840, 8.0019,
88.5246

Harmonies

Analogous

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



47.8174, 49.5018, 104.3127



55.0788, 49.5018, 94.6475



60.5942, 49.5018, 73.9911

Triad

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



55.0788, 49.5018, 94.6475



53.6234, 49.5018, 25.5810



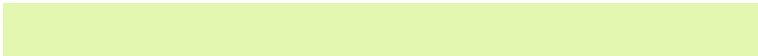
34.4738, 49.5018, 56.1147

Complementary

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



55.0788, 49.5018, 94.6475



72.7771, 85.9881, 53.8379

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.



35.6912, 49.5018, 37.8195



55.0788, 49.5018, 94.6475



46.2908, 49.5018, 23.0867

Square

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



55.0788, 49.5018, 94.6475



59.6952, 49.5018, 34.9079



39.8420, 49.5018, 26.9342



36.3299, 49.5018, 78.7669

Rectangle

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



55.0788, 49.5018, 94.6475



62.2690, 49.5018, 58.8005



39.8420, 49.5018, 26.9342



34.5378, 49.5018, 49.2778

Sweetspot

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



55.0804, 49.5038, 94.6486



82.3537, 83.2277, 106.3318



62.4563, 71.4705, 98.4999



17.2152, 17.2734, 22.6767



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.



55.0804, 49.5038, 94.6486



54.0297, 46.6372, 100.7619



65.0877, 54.6627, 95.1170



16.0194, 16.1527, 20.8160



10.3176, 4.2932, 46.8229



1.0031, 0.4269, 4.1198

Inverse Universe

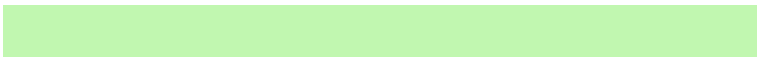
The Inverse Universe completely reimagines the original color for something new.



67.7496, 56.3727, 79.9847



69.6623, 55.1219, 82.2570



62.9807, 80.9379, 53.3795



17.0029, 16.6840, 19.7619



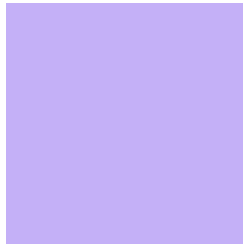
24.5693, 12.1712, 23.5041



2.2032, 1.0872, 2.2964

Previews

White Background



This preview shows how the XYZ color 55.0788, 49.5018, 94.6475 looks on a white background.

Color Contrast Check

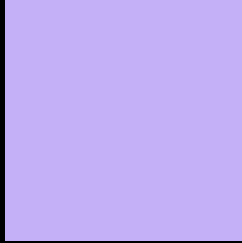
Large Text (above 18pt) WCAG AA × Fail

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 55.0788, 49.5018, 94.6475 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 55.0788, 49.5018, 94.6475

Background



This preview shows how black text looks on a background with the XYZ color 55.0788, 49.5018, 94.6475.



This preview shows how white text looks on a background with the XYZ color 55.0788, 49.5018,

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

55.0788, 49.5018, 94.6475

Protanopia

50.8065, 49.5883, 99.8222

Deuteranopia

50.8555, 49.7578, 93.3100



Tritanopia

48.5133, 49.5594, 61.6526

Trichromacy



Original Color

55.0788, 49.5018, 94.6475

Protanomaly

52.2966, 49.4778, 98.0606

Deuteranomaly

52.2145, 49.5253, 93.9961

Tritanomaly

50.7382, 49.5420, 72.5340

Monochromacy



Original Color

55.0788, 49.5018, 94.6475

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

50.8451, 50.6075, 68.7164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0788, 49.5018, 94.6475 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(196, 176, 247)` looks like.

```
.text, #text, p{  
    color:rgb(196, 176, 247)  
}
```

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(196, 176, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 176, 247) }
```

Border

The CSS property to change the border of an element to XYZ 55.0788, 49.5018, 94.6475 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(196, 176, 247) }
```


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

```
.border{ border-color:rgb(196, 176, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 176, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 176, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 176, 247);  
box-shadow:4px 4px 4px 4px rgb(196, 176,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0788, 49.5018, 94.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 176, 247) }
```

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

```
.background{ background-color: rgb(196,  
176, 247) }
```

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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