

Converting Colors

XYZ(55.6717, 49.5175, 94.6193)

Have a look what the booklet for
XYZ(55.6717, 49.5175, 94.6193)
contains.

XYZ(55.6717, 49.5175, 94.6193)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.6717, 49.5175,
94.6193)**

Conversions

Conversions Part 1

Format	Color
Hex	C7AFF7
RGB	199, 175, 247
RGB Percent	78%, 69%, 97%
CMY	0.2196, 0.3137, 0.0314
CMYK	0.19, 0.29, 0.00, 0.03
HSL	260°, 82%, 83%
HSV	260°, 29%, 97%
XYZ	55.6717, 49.5175, 94.6193
YIQ	190.3840, -8.8080, 27.4800

Conversions

Conversions Part 2

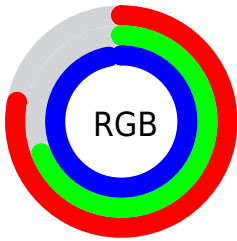
Format	Color
RYB	199, 175, 247
Decimal	13086711
CIELab	75.77, 22.78, -32.63
CIELCh	76, 39.790, 304.918
Yxy	49.5175, 0.2786, 0.2478
Android (android.graphics.Color)	4291276791 (0xFFC7AFF7)
YUV	190.3840, 27.9117, 7.5562
Hunter-Lab	70.3687, 18.0739, -30.4646

Details

The XYZ color **55.6717, 49.5175, 94.6193** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.4315, 85.3058, 53.2604**, and the grayscale version is **49.0140, 51.5665, 56.1560**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **27.7554, 23.5661, 51.8010** is the 20% darker color. If you saturate the color by 10%, you get **47.1618, 38.6358, 92.9683**, and if you desaturate by 10%, it is **65.5369, 62.4054, 96.5878**.

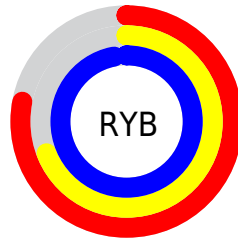
Distribution



Red (78%)

Green (69%)

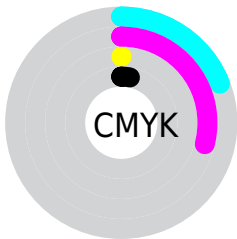
Blue (97%)



Red (78%)

Yellow (69%)

Blue (97%)

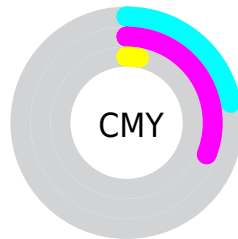


Cyan (19%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (22%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6717, 49.5175, 94.6193 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 55.6717, 49.5175, 94.6193 by changing the saturation by 10% instead.

■ 55.6717, 49.5175,
94.6193

■ 55.6717, 49.5175,
94.6193

398.5482,
384.7761, 563.8987

■ 40.1757, 35.0302,
71.2230

■ 97.6670, 89.4596,
155.7296

■ 27.8604, 23.6861,
52.0413

124.8970,
115.6831, 194.2807

■ 18.3604, 15.1009,
36.6555

156.7692,
146.5875, 238.7205

■ 11.3103, 8.8903,
24.6472

193.6487,
182.5571, 289.4675

■ 6.3448, 4.6697,
15.5978

235.9010,
223.9764, 346.9403

■ 3.0985, 2.0548,
9.0887

283.8915,

■ 1.2061, 0.6390,

271.2297, 411.5574

4.7015

337.9854,
324.7015, 483.7373

■ 0.1111, 0.0000,
2.0175

■ 0.0000, 0.0000,
0.5660

■ 55.6717, 49.5175,
94.6193

■ 55.6717, 49.5175,
94.6193

■ 47.1618, 38.6358,
92.9683

■ 65.5369, 62.4054,
96.5878

■ 39.9393, 29.6505,
91.6146

■ 76.8112, 77.3896,
98.8858

■ 33.9376, 22.4505,
90.5412

■ 89.5512, 94.5617,
101.5289

■ 29.0814, 16.9100,
89.7277

■ 93.7887, 99.4955,
102.2579

■ 25.2862, 12.8863,
89.1511

■ 22.4539, 10.2112,
88.7840

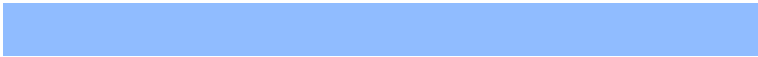
■ 20.4439, 8.6337,
88.5855

■ 20.2973, 8.5242,
88.5721

Harmonies

Analogous

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



48.2930, 49.5175, 105.4439



55.6717, 49.5175, 94.6193



61.1359, 49.5175, 73.0627

Triad

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



55.6717, 49.5175, 94.6193



53.3461, 49.5175, 24.8298



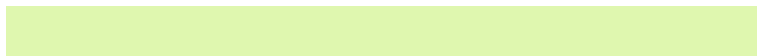
34.2852, 49.5175, 57.4790

Complementary

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



55.6717, 49.5175, 94.6193



71.4315, 85.3058, 53.2604

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.



35.3377, 49.5175, 38.4459



55.6717, 49.5175, 94.6193



45.8578, 49.5175, 22.6959

Square

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



55.6717, 49.5175, 94.6193



59.6978, 49.5175, 33.8239



39.3943, 49.5175, 26.9679



36.3532, 49.5175, 80.7113

Rectangle

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



55.6717, 49.5175, 94.6193



62.6766, 49.5175, 57.6001



39.3943, 49.5175, 26.9679



34.2881, 49.5175, 50.3927

Sweetspot

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



55.6733, 49.5195, 94.6204



82.7541, 83.4342, 106.3505



61.1788, 69.2499, 98.1386



17.3133, 17.3240, 22.6813



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.



55.6733, 49.5195, 94.6204



54.2758, 46.0704, 100.6396



65.9860, 54.8359, 95.1030



16.1016, 16.1950, 20.8199



10.8686, 4.5773, 46.8487



1.0598, 0.4562, 4.1224

Inverse Universe

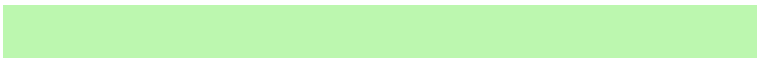
The Inverse Universe completely reimagines the original color for something new.



67.0085, 55.7638, 77.0455



68.4556, 53.8916, 78.2076



61.7886, 80.3347, 52.8091



16.9651, 16.6689, 19.5627



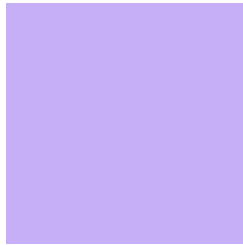
23.9306, 11.9157, 20.1410



2.1508, 1.0663, 2.0206

Previews

White Background



This preview shows how the XYZ color 55.6717, 49.5175, 94.6193 looks on a white background.

Color Contrast Check

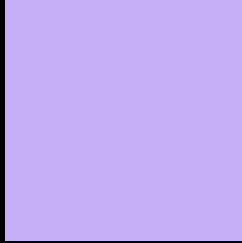
Large Text (above 18pt) WCAG AA × Fail

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 55.6717, 49.5175, 94.6193 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 55.6717, 49.5175, 94.6193

Background



This preview shows how black text looks on a background with the XYZ color 55.6717, 49.5175, 94.6193.



This preview shows how white text looks on a background with the XYZ color 55.6717, 49.5175,

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

55.6717, 49.5175, 94.6193

Protanopia

50.9662, 49.6522, 100.6636

Deuteranopia

50.8555, 49.7578, 93.3100



Tritanopia

48.9352, 49.4809, 61.0044

Trichromacy



Original Color

55.6717, 49.5175, 94.6193

Protanomaly

52.5269, 49.5965, 98.0714

Deuteranomaly

52.4498, 49.6467, 94.0071

Tritanomaly

51.1667, 49.4749, 71.8186

Monochromacy



Original Color

55.6717, 49.5175, 94.6193

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.0992, 50.7385, 68.7283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6717, 49.5175, 94.6193 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(199, 175, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 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(199, 175, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 247) }
```

Border

The CSS property to change the border of an element to XYZ 55.6717, 49.5175, 94.6193 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(199, 175, 247) }
```


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

```
.border{ border-color:rgb(199, 175, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 175, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 175, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 175, 247);  
box-shadow:4px 4px 4px 4px rgb(199, 175,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6717, 49.5175, 94.6193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 247) }
```

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

```
.background{ background-color: rgb(199,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor