

Converting Colors

XYZ(54.9985, 47.7375, 95.3724)

Have a look what the booklet for
XYZ(54.9985, 47.7375, 95.3724)
contains.

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Color

**XYZ(54.8712, 47.6689,
95.1159)**

Conversions

Conversions Part 1

Format	Color
Hex	C7AAF8
RGB	199, 170, 248
RGB Percent	78%, 67%, 97%
CMY	0.2196, 0.3333, 0.0274
CMYK	0.20, 0.31, 0.00, 0.03
HSL	262°, 85%, 82%
HSV	262°, 31%, 97%
XYZ	54.8712, 47.6689, 95.1159
YIQ	187.5630, -7.7540, 30.4060

Conversions

Conversions Part 2

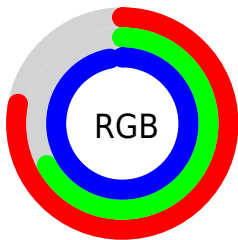
Format	Color
R _{YB}	199, 170, 248
Decimal	13085432
CIE Lab	74.62, 25.75, -34.95
CIE LCh	75, 43.413, 306.374
Yxy	47.6689, 0.2776, 0.2412
Android (android.graphics.Color)	4291275512 (0xFFC7AAF8)
YUV	187.5630, 29.7954, 10.0302
Hunter-Lab	69.0427, 21.0370, -33.3504

Details

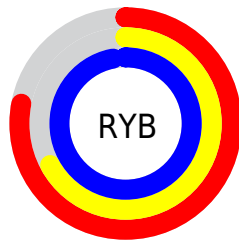
The XYZ color **54.8712, 47.6689, 95.1159** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.0379, 85.0983, 50.7665**, and the grayscale version is **47.3934, 49.8616, 54.2992**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **27.3840, 22.6477, 52.2184** is the 20% darker color. If you saturate the color by 10%, you get **46.7292, 37.2098, 93.5270**, and if you desaturate by 10%, it is **64.3165, 60.1038, 97.0190**.

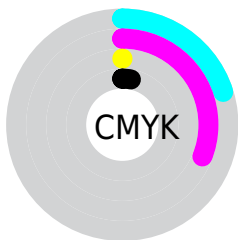
Distribution



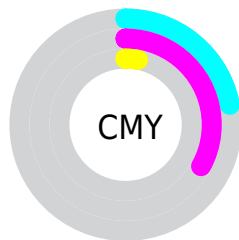
- Red (78%)
- Green (67%)
- Blue (97%)



- Red (78%)
- Yellow (67%)
- Blue (97%)



- Cyan (20%)
- Magenta (31%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8712, 47.6689, 95.1159 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 54.8712, 47.6689, 95.1159 by changing the saturation by 10% instead.

■ 54.8712, 47.6689,
95.1159

■ 54.8712, 47.6689,
95.1159

395.5679,
377.4782, 565.5298

■ 39.5320, 33.5648,
71.6340

■ 96.5016, 86.7112,
156.4217

■ 27.3565, 22.5594,
52.3748

123.5236,
112.4182, 195.0826

■ 17.9791, 14.2685,
36.9196

155.1706,
142.7616, 239.6404

■ 11.0346, 8.3077,
24.8499

191.8080,
178.1257, 290.5135

■ 6.1576, 4.2924,
15.7473

233.8010,
218.8951, 348.1204

■ 2.9827, 1.8385,
9.1931

281.5151,

■ 1.1446, 0.5110,

265.4540, 412.8797

4.7688

335.3156,
318.1869, 485.2100

■ 0.0620, 0.0000,
2.0559

■ 0.0000, 0.0000,
0.5893

■ 54.8712, 47.6689,
95.1159

■ 54.8712, 47.6689,
95.1159

■ 46.7292, 37.2098,
93.5270

■ 64.3165, 60.1038,
97.0190

■ 39.8237, 28.6153,
92.2321

■ 75.1180, 74.6061,
99.2490

■ 34.0886, 21.7719,
91.2134

■ 87.3314, 91.2685,
101.8214

■ 29.4490, 16.5506,
90.4502

■ 93.9434, 99.5574,
103.0728

■ 25.8204, 12.8041,
89.9183

■ 23.1029, 10.3564,
89.5890

■ 21.3775, 9.0632,
89.4304

Harmonies

Analogous

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



47.0060, 47.6689, 107.8709



54.8712, 47.6689, 95.1159



60.6067, 47.6689, 71.2458

Triad

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



54.8712, 47.6689, 95.1159



51.6361, 47.6689, 21.4979



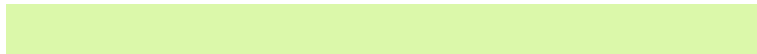
31.8910, 47.6689, 56.8567

Complementary

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



54.8712, 47.6689, 95.1159



70.0379, 85.0983, 50.7665

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.



32.8281, 47.6689, 36.4228



54.8712, 47.6689, 95.1159



43.6512, 47.6689, 19.6849

Square

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



54.8712, 47.6689, 95.1159



58.5931, 47.6689, 30.2396



36.9257, 47.6689, 24.2791



34.1999, 47.6689, 82.0243

Rectangle

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



54.8712, 47.6689, 95.1159



62.1197, 47.6689, 54.6878



36.9257, 47.6689, 24.2791



31.8410, 47.6689, 49.2150

Sweetspot

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



54.8728, 47.6708, 95.1170



83.0540, 83.5888, 106.3646



58.9584, 66.1970, 98.4776



17.3869, 17.3619, 22.6847



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.



54.8728, 47.6708, 95.1170



52.5746, 43.1939, 100.1740



66.4451, 53.6366, 95.6586



16.8926, 16.9573, 21.7680



11.6899, 4.9690, 48.3165



1.1954, 0.5183, 4.4802

Inverse Universe

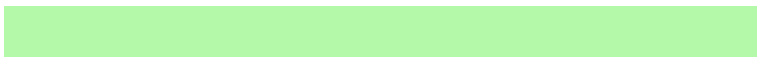
The Inverse Universe completely reimagines the original color for something new.



65.8737, 53.8222, 73.9363



66.2666, 50.8609, 73.3240



59.7403, 79.7896, 50.2845



17.7033, 17.4087, 20.2935



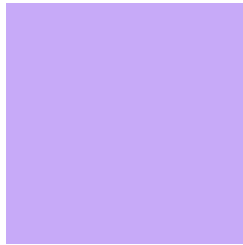
24.2143, 12.1014, 18.3688



2.2939, 1.1413, 1.9711

Previews

White Background



This preview shows how the XYZ color 54.8712, 47.6689, 95.1159 looks on a white background.

Color Contrast Check

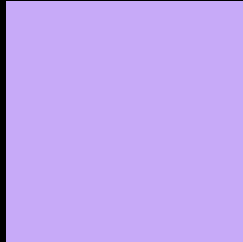
Large Text (above 18pt) WCAG AA × Fail

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 54.8712, 47.6689, 95.1159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

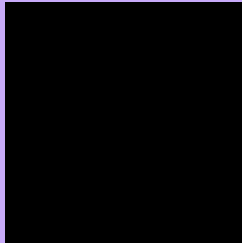
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.8712, 47.6689, 95.1159

Background



This preview shows how black text looks on a background with the XYZ color 54.8712, 47.6689, 95.1159.



This preview shows how white text looks on a background with the XYZ color 54.8712, 47.6689,

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

54.8712, 47.6689, 95.1159

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

49.0948, 47.9171, 93.8501



Tritanopia

47.4068, 47.5298, 58.3053

Trichromacy



Original Color

54.8712, 47.6689, 95.1159

Protanomaly

50.9720, 47.5865, 98.5941

Deuteranomaly

51.1010, 47.7434, 94.5178

Tritanomaly

49.6553, 47.2432, 70.1201

Monochromacy



Original Color

54.8712, 47.6689, 95.1159

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.8950, 48.9074, 67.7831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8712, 47.6689, 95.1159 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, 170, 248)` looks like.

```
.text, #text, p{  
    color:rgb(199, 170, 248)  
}
```

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, 170, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 170, 248) }
```

Border

The CSS property to change the border of an element to XYZ 54.8712, 47.6689, 95.1159 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, 170, 248) }
```


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

```
.border{ border-color:rgb(199, 170, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 170, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 170, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 170, 248);  
box-shadow:4px 4px 4px 4px rgb(199, 170,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8712, 47.6689, 95.1159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 170, 248) }
```

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

```
.background{ background-color: rgb(199,  
170, 248) }
```

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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