

Converting Colors

XYZ(48.9735, 45.4381, 94.6093)

Have a look what the booklet for
XYZ(48.9735, 45.4381, 94.6093)
contains.

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Color

**XYZ(49.1204, 45.5487,
95.0098)**

Conversions

Conversions Part 1

Format	Color
Hex	ADADF8
RGB	173, 173, 248
RGB Percent	68%, 68%, 97%
CMY	0.3216, 0.3216, 0.0274
CMYK	0.30, 0.30, 0.00, 0.03
HSL	240°, 84%, 83%
HSV	240°, 30%, 97%
XYZ	49.1204, 45.5487, 95.0098
YIQ	181.5500, -24.0750, 23.3250

Conversions

Conversions Part 2

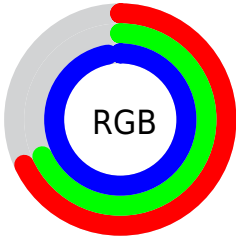
Format	Color
RYB	173, 173, 248
Decimal	11382264
CIELab	73.25, 16.54, -37.23
CIELCh	73, 40.743, 293.952
Yxy	45.5487, 0.2590, 0.2401
Android (android.graphics.Color)	4289572344 (0xFFADADF8)
YUV	181.5500, 32.7599, -7.4983
Hunter-Lab	67.4898, 11.8087, -36.2236

Details

The XYZ color **49.1204, 45.5487, 95.0098** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.8225, 90.1091, 52.7225**, and the grayscale version is **44.0574, 46.3518, 50.4771**.

A 20% lighter version of the original color is **78.4265, 79.5298, 105.8250**, and **23.7126, 21.2879, 52.1494** is the 20% darker color. If you saturate the color by 10%, you get **39.8148, 34.3360, 93.3368**, and if you desaturate by 10%, it is **60.3295, 59.0548, 97.0268**.

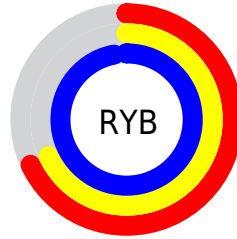
Distribution



Red (68%)

Green (68%)

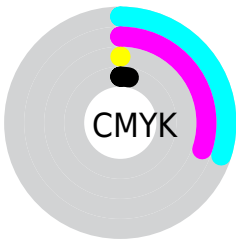
Blue (97%)



Red (68%)

Yellow (68%)

Blue (97%)

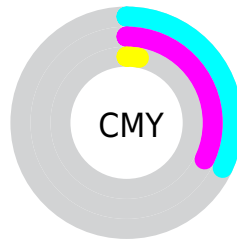


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (3%)



Cyan (32%)

Magenta (32%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1204, 45.5487, 95.0098 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 49.1204, 45.5487, 95.0098 by changing the saturation by 10% instead.

■ 49.1204, 45.5487,
95.0098

■ 49.1204, 45.5487,
95.0098

373.7252,
368.9913, 565.1815

■ 34.9299, 31.8898,
71.5462

■ 88.0699, 83.5432,
156.2738

■ 23.7752, 21.2774,
52.3035

113.5596,
108.6476, 194.9114

■ 15.2908, 13.3269,
36.8631

143.5465,
138.3360, 239.4439

■ 9.1113, 7.6540,
24.8066

178.3958,
172.9927, 290.2901

■ 4.8716, 3.8744,
15.7153

218.4730,
213.0022, 347.8684

■ 2.2061, 1.6035,
9.1708

264.1434,

■ 0.7459, 0.3600,

258.7489, 412.5974

4.7544

315.7724,
310.6171, 484.8956

■ 0.0000, 0.0000,
2.0477

■ 0.0000, 0.0000,
0.5844

■ 49.1204, 45.5487,
95.0098

■ 49.1204, 45.5487,
95.0098

■ 39.8148, 34.3360,
93.3368

■ 60.3295, 59.0548,
97.0268

■ 32.3027, 25.2844,
91.9856

■ 73.5347, 74.9661,
99.4020

■ 26.4701, 18.2565,
90.9365

■ 88.8280, 93.3936,
102.1528

■ 22.1880, 13.0968,
90.1662

■ 93.9434, 99.5574,
103.0729

■ 19.3086, 9.6273,
89.6483

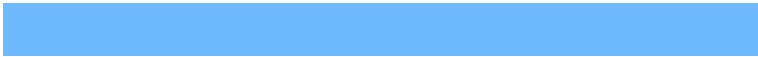
■ 17.6558, 7.6357,
89.3510

■ 16.9434, 6.7774,
89.2229

Harmonies

Analogous

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



41.8595, 45.5487, 99.9888



49.1204, 45.5487, 95.0098



55.3935, 45.5487, 76.5758

Triad

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



49.1204, 45.5487, 95.0098



51.9020, 45.5487, 24.0759



31.0042, 45.5487, 45.5590

Complementary

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



49.1204, 45.5487, 95.0098



79.8225, 90.1091, 52.7225

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.



33.0965, 45.5487, 29.8374



49.1204, 45.5487, 95.0098



44.7581, 45.5487, 19.8297

Square

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



49.1204, 45.5487, 95.0098



57.1192, 45.5487, 35.2595



37.9451, 45.5487, 21.6021



31.8995, 45.5487, 67.3681

Rectangle

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



49.1204, 45.5487, 95.0098



57.9028, 45.5487, 61.3013



37.9451, 45.5487, 21.6021



31.3734, 45.5487, 39.4824

Sweetspot

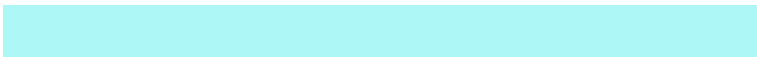
The Sweet Spot groups the original color and five complimentary colors.



49.1220, 45.5505, 95.0109



80.2157, 82.1256, 106.2318



67.5521, 82.7201, 100.2006



16.6930, 17.0042, 22.6523



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.



49.1220, 45.5505, 95.0109



46.3281, 41.2933, 100.1364



58.2535, 50.2579, 95.4382



16.2831, 16.6431, 21.7395



9.1528, 3.6611, 48.1978



0.8477, 0.3391, 4.4639

Inverse Universe

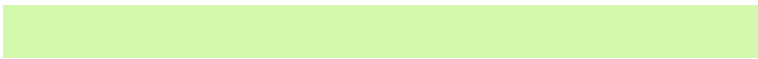
The Inverse Universe completely reimagines the original color for something new.



61.1991, 52.8623, 46.5149



61.0016, 50.1770, 41.2146



68.1908, 84.1129, 52.1782



17.2447, 17.2252, 17.8783



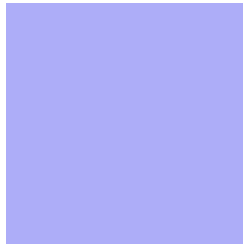
20.9119, 10.7805, 0.9787



1.9368, 0.9985, 0.0906

Previews

White Background



This preview shows how the XYZ color 49.1204, 45.5487, 95.0098 looks on a white background.

Color Contrast Check

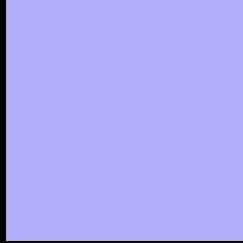
Large Text (above 18pt) WCAG AA × Fail

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 49.1204, 45.5487, 95.0098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

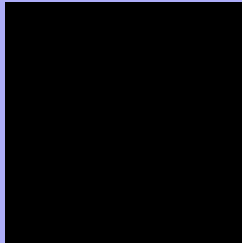
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1204, 45.5487, 95.0098

Background



This preview shows how black text looks on a background with the XYZ color 49.1204, 45.5487, 95.0098.

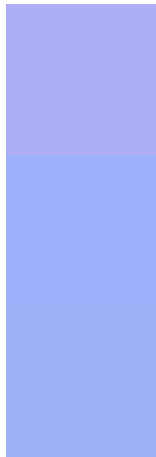


This preview shows how white text looks on a background with the XYZ color 49.1204, 45.5487,

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

49.1204, 45.5487, 95.0098

Protanopia

47.0394, 45.5774, 97.5849

Deuteranopia

46.6112, 45.4288, 94.3076



Tritanopia

41.9118, 45.5796, 59.4121

Trichromacy



Original Color

49.1204, 45.5487, 95.0098

Protanomaly

47.8849, 45.7393, 96.7472

Deuteranomaly

47.4181, 45.5526, 94.2890

Tritanomaly

44.2407, 45.3051, 71.3788

Monochromacy



Original Color

49.1204, 45.5487, 95.0098

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.8511, 46.2801, 64.9089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1204, 45.5487, 95.0098 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(173, 173, 248)` looks like.

```
.text, #text, p{  
    color:rgb(173, 173, 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(173, 173, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 173, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.1204, 45.5487, 95.0098 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(173, 173, 248) }
```


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

```
.border{ border-color:rgb(173, 173, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 173, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 173, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 173, 248); box-shadow:4px 4px 4px 4px rgb(173, 173, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1204, 45.5487, 95.0098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 173, 248) }
```

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

```
.background{ background-color: rgb(173,  
173, 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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