

Converting Colors

XYZ(50.0054, 47.4322, 94.7989)

Have a look what the booklet for
XYZ(50.0054, 47.4322, 94.7989)
contains.

XYZ(49.9425, 47.4404, 94.5204)	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(49.9425, 47.4404,
94.5204)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB2F7
RGB	173, 178, 247
RGB Percent	68%, 70%, 97%
CMY	0.3216, 0.3019, 0.0314
CMYK	0.30, 0.28, 0.00, 0.03
HSL	236°, 82%, 82%
HSV	236°, 30%, 97%
XYZ	49.9425, 47.4404, 94.5204
YIQ	184.3710, -25.1290, 20.3990

Conversions

Conversions Part 2

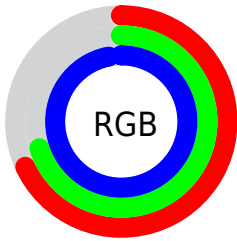
Format	Color
R_{YB}	173, 178, 247
Decimal	11383543
CIE _{Lab}	74.47, 13.51, -34.80
CIE _{LCh}	74, 37.336, 291.219
Yxy	47.4404, 0.2602, 0.2472
Android (android.graphics.Color)	4289573623 (0xFFADB2F7)
YUV	184.3710, 30.8761, -9.9724
Hunter-Lab	68.8770, 8.8951, -33.1502

Details

The XYZ color **49.9425, 47.4404, 94.5204** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.6538, 86.2966, 52.1011**, and the grayscale version is **45.6109, 47.9862, 52.2569**.

A 20% lighter version of the original color is **80.1059, 82.8886, 106.3848**, and **24.3629, 22.5614, 51.7859** is the 20% darker color. If you saturate the color by 10%, you get **40.7731, 36.4731, 92.8876**, and if you desaturate by 10%, it is **60.8940, 60.4704, 96.4591**.

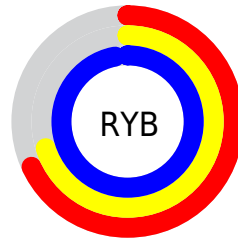
Distribution



Red (68%)

Green (70%)

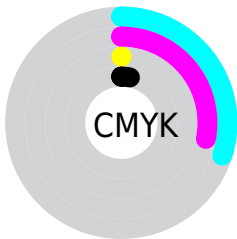
Blue (97%)



Red (68%)

Yellow (70%)

Blue (97%)

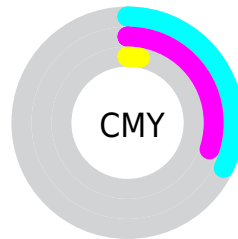


Cyan (30%)

Magenta (28%)

Yellow (0%)

Black (3%)



Cyan (32%)

Magenta (30%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9425, 47.4404, 94.5204 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 49.9425, 47.4404, 94.5204 by changing the saturation by 10% instead.

■ 49.9425, 47.4404,
94.5204

■ 49.9425, 47.4404,
94.5204

376.8967,
376.5697, 563.5735

■ 35.5853, 33.3839,
71.1412

■ 89.2820, 86.3706,
155.5917

■ 24.2827, 22.4207,
51.9749

114.9950,
112.0132, 194.1209

■ 15.6694, 14.1664,
36.6030

145.2241,
142.2866, 238.5372

■ 9.3798, 8.2365,
24.6068

180.3345,
177.5752, 289.2591

■ 5.0488, 4.2466,
15.5680

220.6916,
218.2634, 346.7051

■ 2.3110, 1.8125,
9.0680

266.6608,

■ 0.8003, 0.4949,

264.7356, 411.2938

4.6881

318.6074,
317.3763, 483.4438

■ 0.0000, 0.0000,
2.0099

■ 0.0000, 0.0000,
0.5614

■ 49.9425, 47.4404,
94.5204

■ 49.9425, 47.4404,
94.5204

■ 40.7731, 36.4731,
92.8876

■ 60.8940, 60.4704,
96.4591

■ 33.2869, 27.4576,
91.5420

■ 73.7100, 75.6556,
98.7146

■ 27.3827, 20.2807,
90.4679

■ 88.4735, 93.0893,
101.3016

■ 22.9465, 14.8156,
89.6469

■ 93.7887, 99.4955,
102.2579

■ 19.8488, 10.9192,
89.0580

■ 17.9373, 8.4249,
88.6773

■ 16.9871, 7.1104,
88.4737

■ 16.9843, 7.1068,
88.4731

Harmonies

Analogous

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



43.1423, 47.4404, 97.6663



49.9425, 47.4404, 94.5204



55.9591, 47.4404, 78.5437

Triad

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



49.9425, 47.4404, 94.5204



53.6989, 47.4404, 27.7995



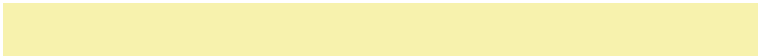
33.4641, 47.4404, 46.1966

Complementary

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



49.9425, 47.4404, 94.5204



77.6538, 86.2966, 52.1011

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.



35.7293, 47.4404, 31.7313



49.9425, 47.4404, 94.5204



47.0968, 47.4404, 22.9852

Square

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



49.9425, 47.4404, 94.5204



58.2736, 47.4404, 39.3593



40.5637, 47.4404, 24.2189



34.0629, 47.4404, 66.2758

Rectangle

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



49.9425, 47.4404, 94.5204



58.4975, 47.4404, 64.5401



40.5637, 47.4404, 24.2189



33.9068, 47.4404, 40.6094

Sweetspot

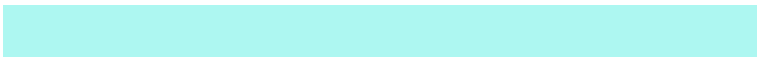
The Sweet Spot groups the original color and five complimentary colors.



49.9441, 47.4423, 94.5215



80.6542, 83.0027, 106.3779



66.3479, 81.7478, 95.3716



16.7999, 17.2179, 22.6879



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.



49.9441, 47.4423, 94.5215



47.4583, 43.5537, 100.5131



56.5898, 49.4182, 94.5526



15.6711, 16.1064, 20.8255



9.0175, 3.8287, 46.8018



0.8234, 0.3982, 4.1237

Inverse Universe

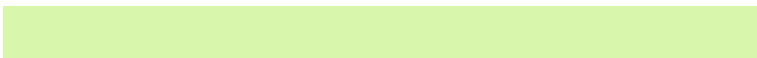
The Inverse Universe completely reimagines the original color for something new.



61.3386, 52.8773, 49.0947



61.5720, 50.4052, 44.2186



69.1731, 84.1641, 52.1365



16.5445, 16.5007, 17.3481



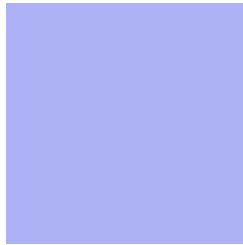
20.3561, 10.4859, 1.3177



1.8047, 0.9278, 0.1978

Previews

White Background



This preview shows how the XYZ color 49.9425, 47.4404, 94.5204 looks on a white background.

Color Contrast Check

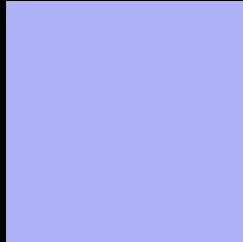
Large Text (above 18pt) WCAG AA × Fail

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 49.9425, 47.4404, 94.5204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

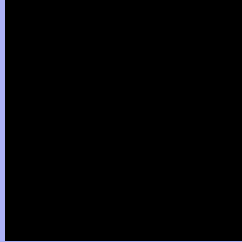
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9425, 47.4404, 94.5204

Background



This preview shows how black text looks on a background with the XYZ color 49.9425, 47.4404, 94.5204.



This preview shows how white text looks on a background with the XYZ color 49.9425, 47.4404,

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

49.9425, 47.4404, 94.5204

Protanopia

48.7270, 47.6738, 96.2563

Deuteranopia

48.6268, 47.3572, 94.5736



Tritanopia

43.4172, 47.5442, 62.1470

Trichromacy



Original Color

49.9425, 47.4404, 94.5204

Protanomaly

49.2009, 47.6353, 95.4083

Deuteranomaly

49.0570, 47.2804, 94.5361

Tritanomaly

45.7317, 47.5584, 73.0990

Monochromacy



Original Color

49.9425, 47.4404, 94.5204

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8128, 47.6642, 65.7643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9425, 47.4404, 94.5204 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, 178, 247)` looks like.

```
.text, #text, p{  
    color:rgb(173, 178, 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(173, 178, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 178, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.9425, 47.4404, 94.5204 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, 178, 247) }
```


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

```
.border{ border-color:rgb(173, 178, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 178, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 178, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 178, 247);  
box-shadow:4px 4px 4px 4px rgb(173, 178,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9425, 47.4404, 94.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 178, 247) }
```

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

```
.background{ background-color: rgb(173,  
178, 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