

# Converting Colors

XYZ(54.7466, 48.9544, 92.8259)

Have a look what the booklet for  
XYZ(54.7466, 48.9544, 92.8259)  
contains.

<b>XYZ(54.8374, 49.1228, 92.9776)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(54.8374, 49.1228,  
92.9776)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5AFF5
RGB	197, 175, 245
RGB Percent	77%, 69%, 96%
CMY	0.2274, 0.3137, 0.0392
CMYK	0.20, 0.29, 0.00, 0.04
HSL	259°, 78%, 82%
HSV	259°, 29%, 96%
XYZ	54.8374, 49.1228, 92.9776
YIQ	189.5580, -9.3580, 26.4340

# Conversions

## Conversions Part 2

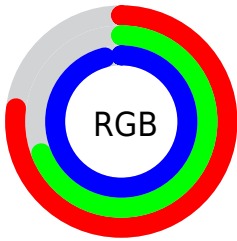
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 175, 245
Decimal	12955637
CIE Lab	75.53, 21.73, -31.94
CIE LCh	76, 38.629, 304.230
Yxy	49.1228, 0.2785, 0.2494
Android (android.graphics.Color)	4291145717 (0xFFC5AFF5)
YUV	189.5580, 27.3329, 6.5266
Hunter-Lab	70.0877, 17.0071, -29.5922

# Details

The XYZ color **54.8374, 49.1228, 92.9776** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.8230, 84.0890, 53.0575**, and the grayscale version is **48.5428, 51.0708, 55.6161**.

A 20% lighter version of the original color is **87.4990, 85.4427, 106.4881**, and **27.1920, 23.3007, 50.6413** is the 20% darker color. If you saturate the color by 10%, you get **46.3381, 38.2941, 91.3362**, and if you desaturate by 10%, it is **64.6953, 61.9383, 94.9325**.

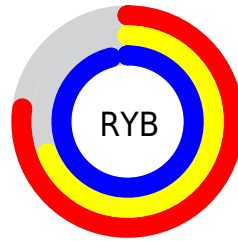
# Distribution



Red (77%)

Green (69%)

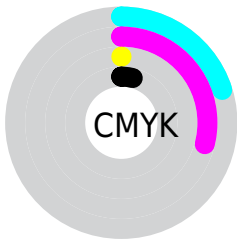
Blue (96%)



Red (77%)

Yellow (69%)

Blue (96%)

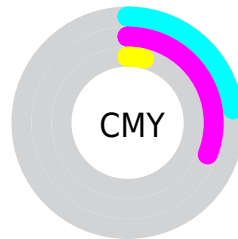


Cyan (20%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (31%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8374, 49.1228, 92.9776 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 54.8374, 49.1228, 92.9776 by changing the saturation by 10% instead.



■ 54.8374, 49.1228,  
92.9776

■ 54.8374, 49.1228,  
92.9776

395.4417,  
383.2256, 558.4881

■ 39.5049, 34.7169,  
69.8653

■ 96.4524, 88.8738,  
153.4390

■ 27.3352, 23.4449,  
50.9406

123.4656,  
114.9877, 191.6253

■ 17.9630, 14.9224,  
35.7850

155.1030,  
145.7731, 235.6733

■ 11.0230, 8.7649,  
23.9798

191.7301,  
181.6143, 286.0015

■ 6.1497, 4.5882,  
15.1066

233.7121,  
222.8957, 343.0286

■ 2.9778, 2.0077,  
8.7468

281.4145,

■ 1.1421, 0.6119,

270.0018, 407.1730

4.4818

335.2026,  
323.3170, 478.8533

■ 0.0599, 0.0000,  
1.8932

■ 0.0000, 0.0000,  
0.4884

■ 54.8374, 49.1228,  
92.9776

■ 54.8374, 49.1228,  
92.9776

■ 46.3381, 38.2941,  
91.3362

■ 64.6953, 61.9383,  
94.9325

■ 39.1298, 29.3444,  
89.9887

■ 75.9654, 76.8291,  
97.2127

■ 33.1458, 22.1645,  
88.9182

■ 88.7043, 93.8854,  
99.8335

■ 28.3114, 16.6311,  
88.1050

■ 93.4816, 99.3726,  
100.6408

■ 24.5425, 12.6047,  
87.5264

■ 21.7421, 9.9211,  
87.1560

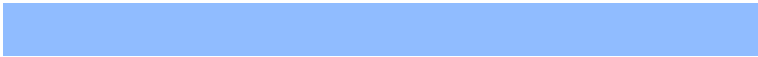
■ 19.7776, 8.3482,  
86.9560

■ 19.5422, 8.1704,  
86.9341

# Harmonies

## Analogous

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



47.7087, 49.1228, 102.9991



54.8374, 49.1228, 92.9776



60.1619, 49.1228, 72.4451

# Triad

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



54.8374, 49.1228, 92.9776



52.9099, 49.1228, 25.3387



34.3042, 49.1228, 56.4362

# Complementary

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



54.8374, 49.1228, 92.9776



70.8230, 84.0890, 53.0575

# 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.



35.3958, 49.1228, 38.1624



54.8374, 49.1228, 92.9776



45.6854, 49.1228, 23.0992

# Square

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



54.8374, 49.1228, 92.9776



58.9719, 49.1228, 34.2942



39.3920, 49.1228, 27.1404



36.2436, 49.1228, 78.7634



# Rectangle

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



54.8374, 49.1228, 92.9776



61.7078, 49.1228, 57.5333



39.3920, 49.1228, 27.1404



34.3304, 49.1228, 49.6338

# Sweetspot

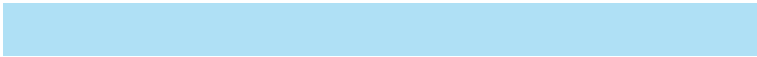
The Sweet Spot groups the original color and five complimentary colors.



54.8390, 49.1248, 92.9787



82.6061, 83.3579, 106.3436



60.8178, 69.0194, 96.5036



17.2770, 17.3053, 22.6796



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.



54.8390, 49.1248, 92.9787



54.7557, 47.0115, 100.7959



64.7678, 54.2433, 93.4434



16.0712, 16.1794, 20.8185



10.6533, 4.4663, 46.8386



1.0380, 0.4450, 4.1214



# Inverse Universe

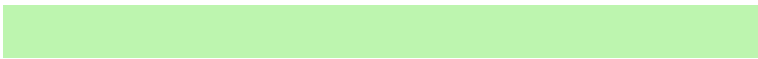
The Inverse Universe completely reimagines the original color for something new.



66.3068, 55.4019, 77.0123



69.2672, 54.9638, 80.1764



61.3780, 79.2200, 52.6155



16.9790, 16.6745, 19.6360



24.1592, 12.0071, 21.3444

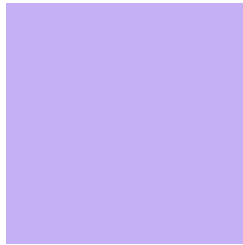


2.1697, 1.0738, 2.1198



# Previews

## White Background



This preview shows how the XYZ color 54.8374, 49.1228, 92.9776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

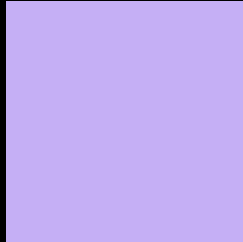
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8374, 49.1228, 92.9776 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 54.8374, 49.1228, 92.9776**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8374, 49.1228, 92.9776.



This preview shows how white text looks on a background with the XYZ color 54.8374, 49.1228,



# 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

54.8374, 49.1228, 92.9776

### Protanopia

50.6475, 49.5247, 98.9853

### Deuteranopia

50.3447, 49.2223, 91.6414



## Tritanopia

48.3198, 49.1770, 60.3715

# Trichromacy



## Original Color

54.8374, 49.1228, 92.9776

## Protanomaly

51.9829, 49.3523, 96.4087

## Deuteranomaly

51.9418, 49.1193, 92.3313

## Tritanomaly

50.5278, 49.1605, 71.1158

# Monochromacy



## Original Color

54.8374, 49.1228, 92.9776

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.9741, 50.6885, 68.0700

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8374, 49.1228, 92.9776 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(197, 175, 245)` looks like.

```
.text, #text, p{  
    color:rgb(197, 175, 245)  
}
```

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(197, 175, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 175, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8374, 49.1228, 92.9776 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(197, 175, 245) }
```



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

```
.border{ border-color:rgb(197, 175, 245) }
```

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

Here you see how a box with a 4 pixel rgb(197, 175, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 175, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 175, 245);  
box-shadow:4px 4px 4px 4px rgb(197, 175,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8374, 49.1228, 92.9776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 175, 245) }
```

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

```
.background{ background-color: rgb(197,  
175, 245) }
```

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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