

# Converting Colors

XYZ(53.0808, 54.6639, 89.2517)

Have a look what the booklet for  
XYZ(53.0808, 54.6639, 89.2517)  
contains.

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# Color

**XYZ(52.9996, 54.4923,  
89.3860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C3EF
RGB	176, 195, 239
RGB Percent	69%, 76%, 94%
CMY	0.3098, 0.2353, 0.0627
CMYK	0.26, 0.18, 0.00, 0.06
HSL	222°, 66%, 81%
HSV	222°, 26%, 94%
XYZ	52.9996, 54.4923, 89.3860
YIQ	194.3350, -25.4480, 9.6560

# Conversions

## Conversions Part 2

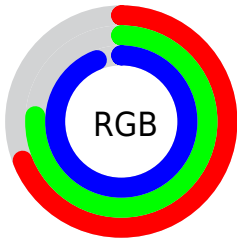
Format	Color
R <sub>Y</sub> B	176, 191, 239
Decimal	11584495
CIE Lab	78.75, 3.15, -23.91
CIE LCh	79, 24.117, 277.496
Yxy	54.4923, 0.2692, 0.2768
Android (android.graphics.Color)	4289774575 (0xFFB0C3EF)
YUV	194.3350, 22.0198, -16.0798
Hunter-Lab	73.8189, -1.0258, -20.1200

# Details

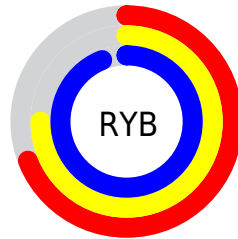
The XYZ color **52.9996, 54.4923, 89.3860** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.0271, 72.6722, 51.4649**, and the grayscale version is **51.3624, 54.0372, 58.8465**.

A 20% lighter version of the original color is **85.8259, 93.3702, 108.1065**, and **26.0982, 26.6062, 48.5597** is the 20% darker color. If you saturate the color by 10%, you get **44.5309, 44.8826, 87.9784**, and if you desaturate by 10%, it is **62.8412, 65.4330, 90.9800**.

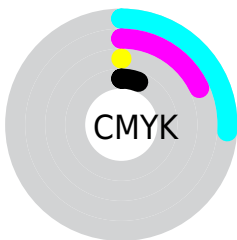
# Distribution



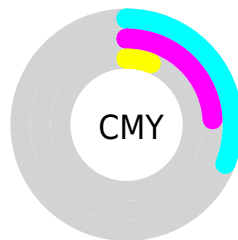
- Red (69%)
- Green (76%)
- Blue (94%)



- Red (69%)
- Yellow (75%)
- Blue (94%)



- Cyan (26%)
- Magenta (18%)
- Yellow (0%)
- Black (6%)



- Cyan (31%)
- Magenta (24%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9996, 54.4923, 89.3860 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 52.9996, 54.4923, 89.3860 by changing the saturation by 10% instead.



■ 52.9996, 54.4923,  
89.3860

■ 52.9996, 54.4923,  
89.3860

388.5445,  
403.9845, 546.5500

■ 38.0299, 38.9954,  
66.9007

■ 93.7693, 96.7967,  
148.4133

■ 26.1832, 26.7561,  
48.5428

120.3001,  
124.3730, 185.7923

■ 17.0942, 17.3902,  
33.8939

151.4152,  
156.7445, 228.9730

■ 10.3974, 10.5131,  
22.5354

187.4801,  
194.2956, 278.3739

■ 5.7275, 5.7404,  
14.0488

228.8602,  
237.4108, 334.4134

■ 2.7192, 2.6879,  
8.0155

275.9206,

■ 1.0071, 0.9711,

286.4744, 397.5103

4.0169

329.0270,  
341.8709, 468.0830

■ 0.0000, 0.0000,  
1.6346

■ 0.0000, 0.0000,  
0.3154

■ 52.9996, 54.4923,  
89.3860

■ 52.9996, 54.4923,  
89.3860

■ 44.5309, 44.8826,  
87.9784

■ 62.8412, 65.4330,  
90.9800

■ 37.3664, 36.5442,  
86.7465

■ 74.1097, 77.7480,  
92.7631

■ 31.4388, 29.4224,  
85.6843

■ 86.8627, 91.4869,  
94.7428

■ 26.6727, 23.4554,  
84.7838

■ 92.5802, 99.0121,  
95.8940

■ 22.9834, 18.5757,  
84.0363

■ 20.2738, 14.7070,  
83.4324

■ 18.4250, 11.7601,  
82.9611

■ 17.9030, 10.8778,  
82.8183

# Harmonies

## Analogous

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



48.3602, 54.4923, 87.0718



52.9996, 54.4923, 89.3860



57.5817, 54.4923, 82.7192

# Triad

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



52.9996, 54.4923, 89.3860



59.4196, 54.4923, 44.7315



43.7704, 54.4923, 49.8326

# Complementary

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



52.9996, 54.4923, 89.3860



69.0271, 72.6722, 51.4649

# 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.



46.4064, 54.4923, 40.8306



52.9996, 54.4923, 89.3860



55.3852, 54.4923, 38.2162

# Square

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



52.9996, 54.4923, 89.3860



61.4335, 54.4923, 55.9702



50.6054, 54.4923, 36.9066



43.2183, 54.4923, 62.8276



# Rectangle

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



52.9996, 54.4923, 89.3860



59.9234, 54.4923, 74.6034



50.6054, 54.4923, 36.9066



44.4340, 54.4923, 46.3027

# Sweetspot

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



53.0013, 54.4945, 89.3872



83.5612, 87.5785, 107.1079



61.5650, 76.0813, 78.4939



17.4496, 18.2709, 22.8569



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.



53.0013, 54.4945, 89.3872



55.5688, 56.5432, 102.5929



51.7351, 47.9186, 88.1847



15.2859, 16.0060, 20.0054



9.9939, 6.2121, 45.8002



0.9155, 0.6849, 3.8382



# Inverse Universe

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



60.9737, 53.3431, 58.7146



66.4547, 55.3785, 60.6195



70.5248, 81.2728, 53.0461



15.9690, 15.8373, 17.3931



20.3701, 10.4205, 4.5995

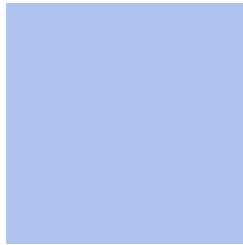


1.7370, 0.8839, 0.6061



# Previews

## White Background



This preview shows how the XYZ color 52.9996, 54.4923, 89.3860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

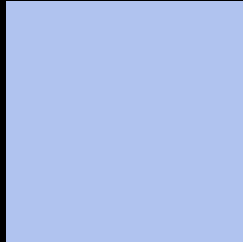
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9996, 54.4923, 89.3860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

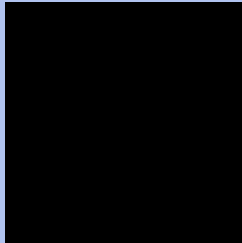
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.9996, 54.4923, 89.3860**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9996, 54.4923, 89.3860.



This preview shows how white text looks on a background with the XYZ color 52.9996, 54.4923,



# 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

52.9996, 54.4923, 89.3860

### Protanopia

54.3636, 54.5686, 87.7883

### Deuteranopia

55.8448, 54.6292, 90.0392



## Tritanopia

49.4838, 54.4111, 72.1843

# Trichromacy



## Original Color

52.9996, 54.4923, 89.3860

## Protanomaly

54.0158, 54.7017, 88.6005

## Deuteranomaly

54.8275, 54.4296, 90.0543

## Tritanomaly

50.8822, 54.6542, 78.3885

# Monochromacy



## Original Color

52.9996, 54.4923, 89.3860

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.4182, 53.8015, 68.6475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9996, 54.4923, 89.3860 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(176, 195, 239)` looks like.

```
.text, #text, p{  
    color:rgb(176, 195, 239)  
}
```

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(176, 195, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 195, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9996, 54.4923, 89.3860 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".

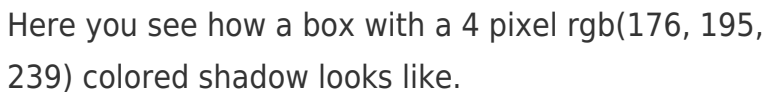
```
.border, #border, table{ border:4px solid rgb(176, 195, 239) }
```



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

```
.border{ border-color:rgb(176, 195, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 195, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 195, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 195, 239); box-shadow:4px 4px 4px 4px rgb(176, 195, 239) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9996, 54.4923, 89.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 195, 239) }
```

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

```
.background{ background-color: rgb(176,  
195, 239) }
```

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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