

# Converting Colors

XYZ(54.5177, 56.6687, 84.4104)

Have a look what the booklet for  
XYZ(54.5177, 56.6687, 84.4104)  
contains.

<b>XYZ(54.5174, 56.7403, 84.4225)</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(54.5174, 56.7403,  
84.4225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B7C7E8
RGB	183, 199, 232
RGB Percent	72%, 78%, 91%
CMY	0.2823, 0.2196, 0.0902
CMYK	0.21, 0.14, 0.00, 0.09
HSL	220°, 52%, 81%
HSV	220°, 21%, 91%
XYZ	54.5174, 56.7403, 84.4225
YIQ	197.9780, -20.1290, 6.8710

# Conversions

## Conversions Part 2

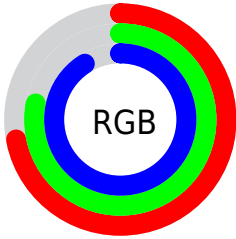
Format	Color
R <sub>Y</sub> B	183, 195, 232
Decimal	12044264
CIE Lab	80.03, 1.50, -18.16
CIE LCh	80, 18.224, 274.714
Yxy	56.7403, 0.2786, 0.2900
Android (android.graphics.Color)	4290234344 (0xFFB7C7E8)
YUV	197.9780, 16.7728, -13.1357
Hunter-Lab	75.3262, -2.6312, -13.7215

# Details

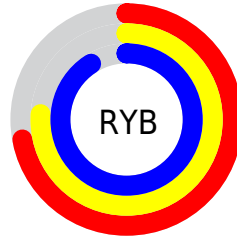
The XYZ color **54.5174, 56.7403, 84.4225** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.3825, 69.6868, 54.7535**, and the grayscale version is **53.5747, 56.3647, 61.3812**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **27.0151, 28.0525, 45.0651** is the 20% darker color. If you saturate the color by 10%, you get **46.0355, 47.3036, 83.0490**, and if you desaturate by 10%, it is **64.2814, 67.3887, 85.9642**.

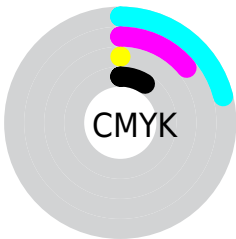
# Distribution



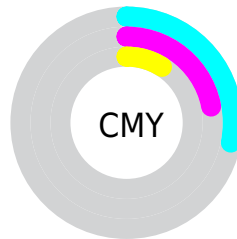
- Red (72%)
- Green (78%)
- Blue (91%)



- Red (72%)
- Yellow (76%)
- Blue (91%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (28%)
- Magenta (22%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5174, 56.7403, 84.4225 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 54.5174, 56.7403, 84.4225 by changing the saturation by 10% instead.



■ 54.5174, 56.7403,  
84.4225

■ 54.5174, 56.7403,  
84.4225

394.2462,  
412.4755, 529.8099

■ 39.2478, 40.7968,  
62.8169

■ 95.9860, 100.0862,  
141.4330

■ 27.1341, 28.1603,  
45.2531

122.9156,  
128.2573, 177.6750

■ 17.8111, 18.4465,  
31.3124

154.4627,  
161.2730, 219.6330

■ 10.9133, 11.2711,  
20.5764

190.9925,  
199.5178, 267.7253

■ 6.0754, 6.2495,  
12.6265

232.8703,  
243.3761, 322.3706

■ 2.9321, 2.9974,  
7.0442

280.4617,

■ 1.1180, 1.1304,

293.2322, 383.9875

3.4109

334.1319,  
349.4705, 452.9944

■ 0.0401, 0.0037,  
1.3081

■ 0.0000, 0.0000,  
0.0684

■ 54.5174, 56.7403,  
84.4225

■ 54.5174, 56.7403,  
84.4225

■ 46.0355, 47.3036,  
83.0490

■ 64.2814, 67.3887,  
85.9642

■ 38.7749, 39.0265,  
81.8341

■ 75.3744, 79.2844,  
87.6756

■ 32.6774, 31.8633,  
80.7728

■ 87.8473, 92.4703,  
89.5633

■ 27.6778, 25.7621,  
79.8586

■ 91.5657, 98.6063,  
90.5517

■ 23.7040, 20.6665,  
79.0845

■ 20.6741, 16.5138,  
78.4427

■ 18.4922, 13.2327,  
77.9244

■ 17.1338, 10.9626,  
77.5578

# Harmonies

## Analogous

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



50.9443, 56.7403, 82.1218



54.5174, 56.7403, 84.4225



58.0888, 56.7403, 80.1118

# Triad

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



54.5174, 56.7403, 84.4225



59.9995, 56.7403, 50.8765



47.7425, 56.7403, 53.4703

# Complementary

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



54.5174, 56.7403, 84.4225



66.3825, 69.6868, 54.7535

# 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.



49.9745, 56.7403, 46.4834



54.5174, 56.7403, 84.4225



57.0300, 56.7403, 45.1105

# Square

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



54.5174, 56.7403, 84.4225



61.3448, 56.7403, 60.1193



53.3467, 56.7403, 43.5987



47.1381, 56.7403, 63.4721



# Rectangle

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



54.5174, 56.7403, 84.4225



59.9556, 56.7403, 74.3296



53.3467, 56.7403, 43.5987



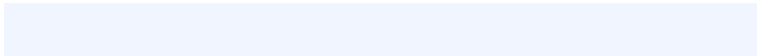
48.3222, 56.7403, 50.7299

# Sweetspot

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



54.5191, 56.7426, 84.4238



86.4441, 90.8141, 107.5805



60.7379, 72.7223, 75.5768



18.3100, 19.2314, 22.9969



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.



54.5191, 56.7426, 84.4238



63.1594, 65.4500, 103.9120



53.0282, 50.7928, 83.3539



13.9653, 14.6520, 18.2364



9.6140, 6.2901, 43.0906



0.7927, 0.6293, 3.2117



# Inverse Universe

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



60.5225, 55.1479, 61.4900



71.8177, 63.3877, 70.7825



68.0938, 76.9538, 56.0660



14.5701, 14.4452, 15.9364



19.2462, 9.8327, 4.9255

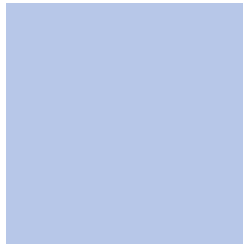


1.4637, 0.7432, 0.5826



# Previews

## White Background



This preview shows how the XYZ color 54.5174, 56.7403, 84.4225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

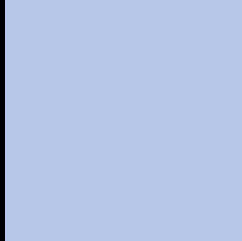
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5174, 56.7403, 84.4225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

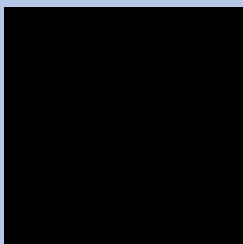
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.5174, 56.7403, 84.4225**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5174, 56.7403, 84.4225.



This preview shows how white text looks on a background with the XYZ color 54.5174, 56.7403,



# 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

54.5174, 56.7403, 84.4225

### Protanopia

55.9874, 56.8521, 82.8856

### Deuteranopia

58.0872, 56.8843, 85.0090



## Tritanopia

52.2334, 56.4863, 73.7956

# Trichromacy



## Original Color

54.5174, 56.7403, 84.4225

## Protanomaly

55.6042, 56.9765, 83.6682

## Deuteranomaly

56.6960, 56.8324, 85.0723

## Tritanomaly

52.8951, 56.4062, 77.2069

# Monochromacy



## Original Color

54.5174, 56.7403, 84.4225

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

53.8193, 56.3788, 69.0184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5174, 56.7403, 84.4225 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(183, 199, 232)` looks like.

```
.text, #text, p{  
    color:rgb(183, 199, 232)  
}
```

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(183, 199, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 199, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5174, 56.7403, 84.4225 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(183, 199, 232) }
```



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

```
.border{ border-color:rgb(183, 199, 232) }
```

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

Here you see how a box with a 4 pixel rgb(183, 199, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 199, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 199, 232);  
box-shadow:4px 4px 4px 4px rgb(183, 199,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5174, 56.7403, 84.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 199, 232) }
```

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

```
.background{ background-color: rgb(183,  
199, 232) }
```

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