

# Converting Colors

XYZ(52.1510, 53.8525, 80.4506)

Have a look what the booklet for  
XYZ(52.1510, 53.8525, 80.4506)  
contains.

<b>XYZ(52.2130, 53.9534, 80.3352)</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(52.2130, 53.9534,  
80.3352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5C2E3
RGB	181, 194, 227
RGB Percent	71%, 76%, 89%
CMY	0.2902, 0.2392, 0.1098
CMYK	0.20, 0.15, 0.00, 0.11
HSL	223°, 45%, 80%
HSV	223°, 20%, 89%
XYZ	52.2130, 53.9534, 80.3352
YIQ	193.8750, -18.3410, 7.5070

# Conversions

## Conversions Part 2

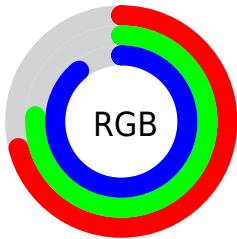
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 191, 227
Decimal	11911907
CIE Lab	78.43, 2.45, -17.90
CIE LCh	78, 18.071, 277.795
Yxy	53.9534, 0.2800, 0.2893
Android (android.graphics.Color)	4290101987 (0xFFB5C2E3)
YUV	193.8750, 16.3306, -11.2914
Hunter-Lab	73.4530, -1.6585, -13.4281

# Details

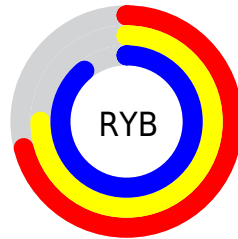
The XYZ color **52.2130, 53.9534, 80.3352** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.0662, 67.7604, 53.4198**, and the grayscale version is **51.1199, 53.7821, 58.5687**.

A 20% lighter version of the original color is **87.1607, 93.5957, 108.0797**, and **25.8734, 26.6175, 42.8037** is the 20% darker color. If you saturate the color by 10%, you get **43.8902, 44.5755, 78.9646**, and if you desaturate by 10%, it is **61.8035, 64.5771, 81.8812**.

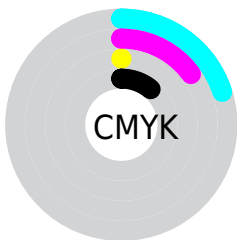
# Distribution



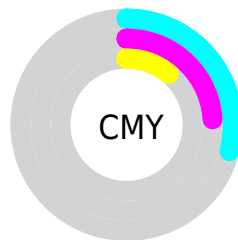
- Red (71%)
- Green (76%)
- Blue (89%)



- Red (71%)
- Yellow (75%)
- Blue (89%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (24%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2130, 53.9534, 80.3352 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 52.2130, 53.9534, 80.3352 by changing the saturation by 10% instead.



■ 52.2130, 53.9534,  
80.3352

■ 52.2130, 53.9534,  
80.3352

385.5688,  
401.9323, 515.7983

■ 37.3998, 38.5644,  
59.4664

■ 92.6177, 96.0058,  
135.6526

■ 25.6923, 26.4210,  
42.5662

118.9399,  
123.4380, 170.9382

■ 16.7251, 17.1389,  
29.2160

149.8291,  
155.6535, 211.8666

■ 10.1328, 10.3336,  
18.9973

185.6508,  
193.0365, 258.8563

■ 5.5500, 5.6207,  
11.4916

226.7703,  
235.9714, 312.3257

■ 2.6115, 2.6158,  
6.2802

273.5529,

■ 0.9518, 0.9346,

284.8428, 372.6935

2.9447

326.3639,  
340.0350, 440.3782

■ 0.0000, 0.0000,  
1.0664

■ 0.0000, 0.0000,  
0.0000

■ 52.2130, 53.9534,  
80.3352

■ 52.2130, 53.9534,  
80.3352

■ 43.8902, 44.5755,  
78.9646

■ 61.8035, 64.5771,  
81.8812

■ 36.7754, 36.3896,  
77.7596

■ 72.7080, 76.4844,  
83.6048

■ 30.8115, 29.3478,  
76.7147

■ 84.9764, 89.7197,  
85.5129

■ 25.9344, 23.3958,  
75.8229

■ 90.8653, 98.3261,  
86.8637

■ 22.0735, 18.4750,  
75.0766

■ 19.1491, 14.5202,  
74.4674

■ 17.0683, 11.4576,  
73.9859

■ 15.7079, 9.2312,  
73.6279

# Harmonies

## Analogous

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



48.7429, 53.9534, 78.7807



52.2130, 53.9534, 80.3352



55.5817, 53.9534, 75.5984

# Triad

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



52.2130, 53.9534, 80.3352



56.8698, 53.9534, 47.5555



45.2140, 53.9534, 51.6594

# Complementary

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



52.2130, 53.9534, 80.3352



64.0662, 67.7604, 53.4198

# 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.



47.2083, 53.9534, 44.6051



52.2130, 53.9534, 80.3352



53.9059, 53.9534, 42.4333

# Square

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



52.2130, 53.9534, 80.3352



58.3500, 53.9534, 56.1329



50.3603, 53.9534, 41.4192



44.8075, 53.9534, 61.4391



# Rectangle

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



52.2130, 53.9534, 80.3352



57.2801, 53.9534, 69.7998



50.3603, 53.9534, 41.4192



45.7163, 53.9534, 48.9257

# Sweetspot

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



52.2147, 53.9556, 80.3364



86.2415, 90.4090, 107.5130



58.6596, 69.6163, 73.9427



18.2622, 19.1358, 22.9810



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.



52.2147, 53.9556, 80.3364



63.5655, 65.3003, 103.8617



51.8677, 49.6672, 79.5270



13.9129, 14.5472, 18.2189



9.2463, 5.5546, 42.9680



0.7602, 0.5644, 3.2008



# Inverse Universe

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



57.9414, 53.2751, 58.2707



72.2575, 64.4627, 70.3268



64.4358, 73.0322, 54.4179



14.5436, 14.4346, 15.7971



19.0606, 9.7585, 3.9481

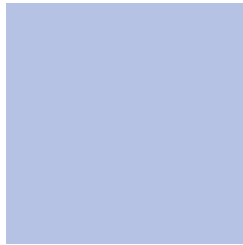


1.4474, 0.7367, 0.4963



# Previews

## White Background



This preview shows how the XYZ color 52.2130, 53.9534, 80.3352 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 52.2130, 53.9534, 80.3352 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 52.2130, 53.9534, 80.3352

## Background



This preview shows how black text looks on a background with the XYZ color 52.2130, 53.9534, 80.3352.



This preview shows how white text looks on a background with the XYZ color 52.2130, 53.9534,



# 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

52.2130, 53.9534, 80.3352

### Protanopia

53.3161, 53.8816, 79.5416

### Deuteranopia

54.9661, 53.7324, 80.8731



## Tritanopia

50.2100, 54.1509, 70.0932

# Trichromacy



## Original Color

52.2130, 53.9534, 80.3352

## Protanomaly

52.8050, 53.9452, 79.5808

## Deuteranomaly

54.1203, 53.9394, 80.9577

## Tritanomaly

50.8547, 54.0733, 73.4025

# Monochromacy



## Original Color

52.2130, 53.9534, 80.3352

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.4186, 53.8586, 66.0782

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2130, 53.9534, 80.3352 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(181, 194, 227)` looks like.

```
.text, #text, p{  
    color:rgb(181, 194, 227)  
}
```

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(181, 194, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 194, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2130, 53.9534, 80.3352 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(181, 194, 227) }
```



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

```
.border{ border-color:rgb(181, 194, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 194, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 194, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 194, 227);  
box-shadow:4px 4px 4px 4px rgb(181, 194,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2130, 53.9534, 80.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 194, 227) }
```

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

```
.background{ background-color: rgb(181,  
194, 227) }
```

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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