

# Converting Colors

XYZ(52.4190, 55.3979, 80.6036)

Have a look what the booklet for  
XYZ(52.4190, 55.3979, 80.6036)  
contains.

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# Color

**XYZ(52.4193, 55.3992,  
80.6034)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2C6E3
RGB	178, 198, 227
RGB Percent	70%, 78%, 89%
CMY	0.3020, 0.2235, 0.1098
CMYK	0.22, 0.13, 0.00, 0.11
HSL	216°, 47%, 79%
HSV	216°, 22%, 89%
XYZ	52.4193, 55.3992, 80.6034
YIQ	195.3260, -21.2290, 4.7790

# Conversions

## Conversions Part 2

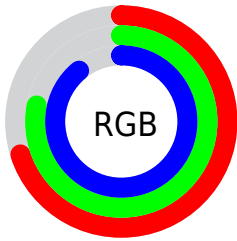
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 192, 227
Decimal	11716323
CIE <sub>Lab</sub>	79.27, -0.61, -16.66
CIE <sub>LCh</sub>	79, 16.675, 267.889
Yxy	55.3992, 0.2782, 0.2940
Android (android.graphics.Color)	4289906403 (0xFFB2C6E3)
YUV	195.3260, 15.6153, -15.1949
Hunter-Lab	74.4306, -4.5413, -12.1057

# Details

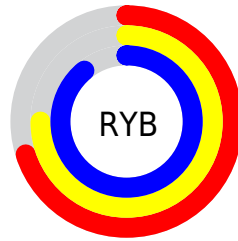
The XYZ color **52.4193, 55.3992, 80.6034** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.0278, 64.1710, 51.2378**, and the grayscale version is **51.9863, 54.6937, 59.5614**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **25.8771, 27.2850, 42.9324** is the 20% darker color. If you saturate the color by 10%, you get **44.7002, 47.0631, 79.4021**, and if you desaturate by 10%, it is **61.2760, 64.7289, 81.9383**.

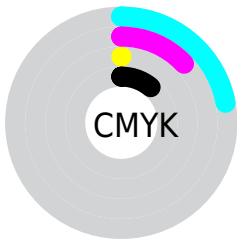
# Distribution



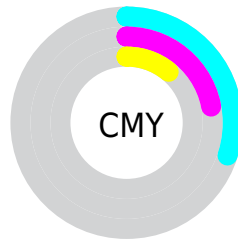
- Red (70%)
- Green (78%)
- Blue (89%)



- Red (70%)
- Yellow (75%)
- Blue (89%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (22%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4193, 55.3992, 80.6034 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 52.4193, 55.3992, 80.6034 by changing the saturation by 10% instead.



■ 52.4193, 55.3992,  
80.6034

■ 52.4193, 55.3992,  
80.6034

386.3506,  
407.4234, 516.7243

■ 37.5650, 39.7214,  
59.6859

■ 92.9199, 98.1256,  
136.0328

■ 25.8209, 27.3214,  
42.7419

119.2969,  
125.9430, 171.3818

■ 16.8217, 17.8148,  
29.3528

150.2456,  
158.5758, 212.3784

■ 10.2020, 10.8171,  
19.1000

186.1312,  
196.4082, 259.4412

■ 5.5964, 5.9440,  
11.5650

227.3192,  
239.8249, 312.9886

■ 2.6395, 2.8110,  
6.3293

274.1748,

■ 0.9661, 1.0339,

289.2100, 373.4392

2.9743

327.0635,  
344.9480, 441.2116

■ 0.0000, 0.0000,  
1.0815

■ 0.0000, 0.0000,  
0.0000

■ 52.4193, 55.3992,  
80.6034

■ 52.4193, 55.3992,  
80.6034

■ 44.7002, 47.0631,  
79.4021

■ 61.2760, 64.7289,  
81.9383

■ 38.0642, 39.6778,  
78.3264

■ 71.3115, 75.0792,  
83.4072

■ 32.4598, 33.2073,  
77.3728

■ 82.5710, 86.4846,  
85.0152

■ 27.8287, 27.6102,  
76.5366

■ 89.8339, 96.2632,  
86.5199

■ 24.1066, 22.8414,  
75.8123

■ 90.8653, 98.3261,  
86.8637

■ 21.2202, 18.8505,  
75.1941

■ 19.0829, 15.5797,  
74.6754

■ 17.7502, 13.3159,  
74.3087

# Harmonies

## Analogous

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



49.3187, 55.3992, 77.2565



52.4193, 55.3992, 80.6034



55.7130, 55.3992, 78.0575

# Triad

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



52.4193, 55.3992, 80.6034



58.5306, 55.3992, 52.1291



47.4069, 55.3992, 51.0727

# Complementary

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



52.4193, 55.3992, 80.6034



62.0278, 64.1710, 51.2378

# 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.



49.7116, 55.3992, 45.4969



52.4193, 55.3992, 80.6034



56.1391, 55.3992, 46.0600

# Square

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



52.4193, 55.3992, 80.6034



59.3289, 55.3992, 60.9997



52.8920, 55.3992, 43.7619



46.5019, 55.3992, 59.6460



# Rectangle

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



52.4193, 55.3992, 80.6034



57.5585, 55.3992, 73.4966



52.8920, 55.3992, 43.7619



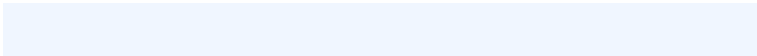
48.0387, 55.3992, 48.8212

# Sweetspot

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



52.4210, 55.4015, 80.6047



86.8226, 91.5712, 107.7067



57.0419, 68.8889, 69.0563



18.3994, 19.4100, 23.0267



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.



52.4210, 55.4015, 80.6047



63.4574, 66.9915, 104.1938



49.0978, 47.3434, 79.2244



14.0635, 14.8484, 18.2691



10.4599, 7.9818, 43.3725



0.8624, 0.7687, 3.2349



# Inverse Universe

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



57.7934, 52.2503, 60.4679



71.7373, 62.4719, 73.0833



65.9118, 73.8283, 52.8971



14.6196, 14.4650, 16.1975



19.6732, 10.0035, 7.1739

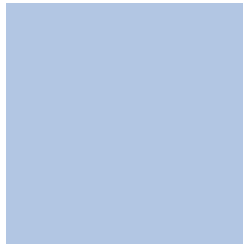


1.4989, 0.7573, 0.7678



# Previews

## White Background



This preview shows how the XYZ color 52.4193, 55.3992, 80.6034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

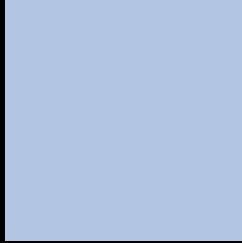
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4193, 55.3992, 80.6034 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

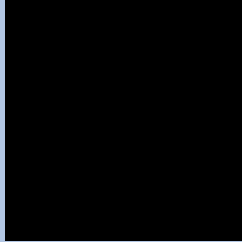
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

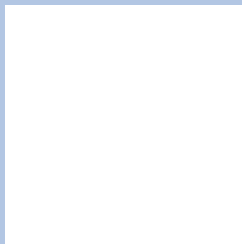
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 52.4193, 55.3992, 80.6034

## Background



This preview shows how black text looks on a background with the XYZ color 52.4193, 55.3992, 80.6034.



This preview shows how white text looks on a background with the XYZ color 52.4193, 55.3992,



# 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

52.4193, 55.3992, 80.6034

### Protanopia

54.5916, 55.5428, 79.0777

### Deuteranopia

56.4538, 55.1424, 81.0669



## Tritanopia

50.9534, 55.4965, 72.9921

# Trichromacy



## Original Color

52.4193, 55.3992, 80.6034

## Protanomaly

53.7171, 55.4099, 79.8155

## Deuteranomaly

55.0336, 55.3915, 81.1898

## Tritanomaly

51.4732, 55.3613, 75.6830

# Monochromacy



## Original Color

52.4193, 55.3992, 80.6034

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.9887, 54.8037, 66.8696

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4193, 55.3992, 80.6034 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(178, 198, 227)` looks like.

```
.text, #text, p{  
    color:rgb(178, 198, 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(178, 198, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 198, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4193, 55.3992, 80.6034 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(178, 198, 227) }
```



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

```
.border{ border-color:rgb(178, 198, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 198, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 198, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 198, 227); box-shadow:4px 4px 4px 4px rgb(178, 198, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4193, 55.3992, 80.6034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 198, 227) }
```

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

```
.background{ background-color: rgb(178,  
198, 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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