

Converting Colors

XYZ(52.4222, 57.1691, 79.8733)

Have a look what the booklet for
XYZ(52.4222, 57.1691, 79.8733)
contains.

XYZ(52.5390, 57.2015, 80.2234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.5390, 57.2015,
80.2234)**

Conversions

Conversions Part 1

Format	Color
Hex	AECBE2
RGB	174, 203, 226
RGB Percent	68%, 80%, 89%
CMY	0.3176, 0.2039, 0.1137
CMYK	0.23, 0.10, 0.00, 0.11
HSL	207°, 47%, 78%
HSV	207°, 23%, 89%
XYZ	52.5390, 57.2015, 80.2234
YIQ	196.9510, -24.6670, 1.0050

Conversions

Conversions Part 2

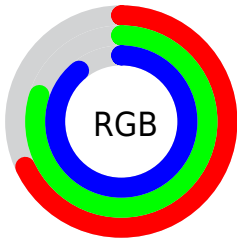
Format	Color
RYB	174, 193, 226
Decimal	11455458
CIELab	80.29, -4.71, -14.62
CIELCh	80, 15.356, 252.145
Yxy	57.2015, 0.2766, 0.3011
Android (android.graphics.Color)	4289645538 (0xFFAECBE2)
YUV	196.9510, 14.3212, -20.1280
Hunter-Lab	75.6317, -8.3570, -9.9474

Details

The XYZ color **52.5390, 57.2015, 80.2234** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9710, 59.1577, 48.3564**, and the grayscale version is **52.9697, 55.7283, 60.6881**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **25.9833, 28.5001, 42.6597** is the 20% darker color. If you saturate the color by 10%, you get **45.6369, 50.2527, 79.2469**, and if you desaturate by 10%, it is **60.4439, 64.8960, 81.2929**.

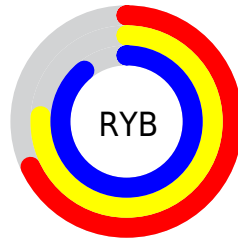
Distribution



Red (68%)

Green (80%)

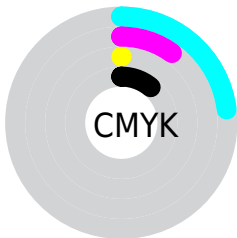
Blue (89%)



Red (68%)

Yellow (76%)

Blue (89%)

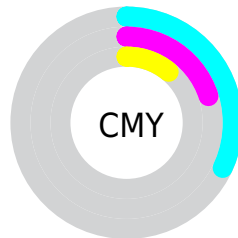


Cyan (23%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (32%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5390, 57.2015, 80.2234 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 52.5390, 57.2015, 80.2234 by changing the saturation by 10% instead.

■ 52.5390, 57.2015,
80.2234

■ 52.5390, 57.2015,
80.2234

386.8038,
414.2039, 515.4120

■ 37.6609, 41.1670,
59.3750

■ 93.0952, 100.7591,
135.4940

■ 25.8956, 28.4496,
42.4930

119.5040,
129.0511, 170.7533

■ 16.8778, 18.6649,
29.1591

150.4870,
162.1977, 211.6532

■ 10.2422, 11.4284,
18.9546

186.4097,
200.5833, 258.6123

■ 5.6233, 6.3557,
11.4610

227.6374,
244.5924, 312.0493

■ 2.6559, 3.0626,
6.2598

274.5354,

■ 0.9745, 1.1645,

294.6092, 372.3825

2.9323

327.4691,
351.0183, 440.0305

■ 0.0000, 0.0324,
1.0602

■ 0.0000, 0.0000,
0.0000

■ 52.5390, 57.2015,
80.2234

■ 52.5390, 57.2015,
80.2234

■ 45.6369, 50.2527,
79.2469

■ 60.4439, 64.8960,
81.2929

■ 39.6872, 44.0152,
78.3565

■ 69.3885, 73.3552,
82.4543

■ 34.6426, 38.4617,
77.5504

■ 79.4142, 82.6057,
83.7114

■ 30.4495, 33.5600,
76.8253

■ 87.0139, 90.8435,
84.9009

■ 27.0479, 29.2746,
76.1774

■ 90.0869, 96.9895,
85.9252

■ 24.3691, 25.5653,
75.6027

■ 90.7276, 98.2711,
86.1388

■ 22.3305, 22.3845,
75.0962

■ 21.1946, 20.4250,
74.7778

Harmonies

Analogous

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



50.0157, 57.2015, 74.6140



52.5390, 57.2015, 80.2234



55.6478, 57.2015, 80.7520

Triad

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



52.5390, 57.2015, 80.2234



60.4837, 57.2015, 58.7170



50.4188, 57.2015, 50.3274

Complementary

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



52.5390, 57.2015, 80.2234



58.9710, 59.1577, 48.3564

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.



53.1086, 57.2015, 46.8689



52.5390, 57.2015, 80.2234



58.9664, 57.2015, 51.3909

Square

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



52.5390, 57.2015, 80.2234



60.3168, 57.2015, 67.7333



56.2396, 57.2015, 47.2385



48.8244, 57.2015, 57.1327

Rectangle

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



52.5390, 57.2015, 80.2234



57.6427, 57.2015, 78.0916



56.2396, 57.2015, 47.2385



51.2204, 57.2015, 48.7658

Sweetspot

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



52.5407, 57.2038, 80.2247



86.3182, 91.8364, 107.7845



54.6778, 67.4024, 62.6729



18.3215, 19.5113, 23.0503



0.0000, 0.0000, 0.0000



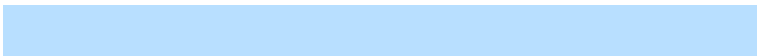
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.5407, 57.2038, 80.2247



64.2220, 70.3621, 104.8041



46.9989, 46.1201, 78.3774



13.5829, 14.5049, 17.4715



12.2116, 11.8928, 42.7003



0.9353, 1.0020, 2.9894

Inverse Universe

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



57.2810, 50.7542, 63.2799



71.6738, 60.7255, 78.0542



65.2682, 71.7521, 50.4554



14.0257, 13.8279, 15.9054



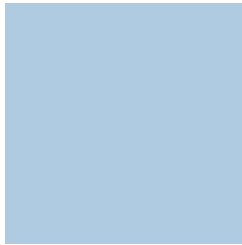
20.1041, 10.1086, 12.4797



1.4383, 0.7186, 1.1011

Previews

White Background



This preview shows how the XYZ color 52.5390, 57.2015, 80.2234 looks on a white background.

Color Contrast Check

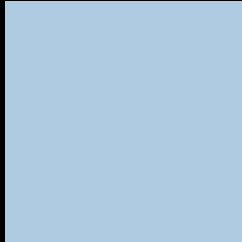
Large Text (above 18pt) WCAG AA × Fail

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 52.5390, 57.2015, 80.2234 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

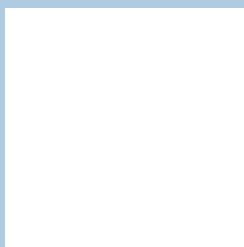
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5390, 57.2015, 80.2234

Background



This preview shows how black text looks on a background with the XYZ color 52.5390, 57.2015, 80.2234.



This preview shows how white text looks on a background with the XYZ color 52.5390, 57.2015,

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

52.5390, 57.2015, 80.2234

Protanopia

55.6567, 56.8085, 77.1390

Deuteranopia

58.1972, 57.0224, 81.3379



Tritanopia

51.7447, 57.2373, 76.0308

Trichromacy



Original Color

52.5390, 57.2015, 80.2234

Protanomaly

54.2362, 56.7394, 77.9053

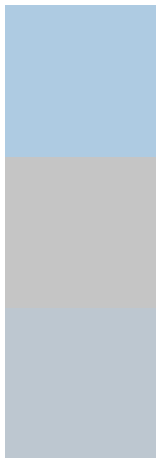
Deuteranomaly

55.8237, 56.8160, 80.6974

Tritanomaly

52.0113, 57.3439, 77.4344

Monochromacy



Original Color

52.5390, 57.2015, 80.2234

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.7949, 56.2197, 67.7434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5390, 57.2015, 80.2234 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(174, 203, 226)` looks like.

```
.text, #text, p{  
    color:rgb(174, 203, 226)  
}
```

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(174, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 203, 226) }
```

Border

The CSS property to change the border of an element to XYZ 52.5390, 57.2015, 80.2234 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(174, 203, 226) }
```


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

```
.border{ border-color:rgb(174, 203, 226) }
```

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

Here you see how a box with a 4 pixel rgb(174, 203, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 203, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 203, 226);  
box-shadow:4px 4px 4px 4px rgb(174, 203,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5390, 57.2015, 80.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 203, 226) }
```

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

```
.background{ background-color: rgb(174,  
203, 226) }
```

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