

Converting Colors

XYZ(53.8750, 58.4461, 89.3342)

Have a look what the booklet for
XYZ(53.8750, 58.4461, 89.3342)
contains.

XYZ(53.8415, 58.3817, 89.3200)	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(53.8415, 58.3817,
89.3200)**

Conversions

Conversions Part 1

Format	Color
Hex	AACDEE
RGB	170, 205, 238
RGB Percent	67%, 80%, 93%
CMY	0.3333, 0.1961, 0.0667
CMYK	0.29, 0.14, 0.00, 0.07
HSL	209°, 67%, 80%
HSV	209°, 29%, 93%
XYZ	53.8415, 58.3817, 89.3200
YIQ	198.2970, -31.4530, 2.8430

Conversions

Conversions Part 2

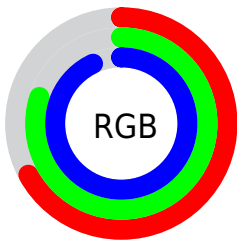
Format	Color
R _{YB}	170, 193, 238
Decimal	11193838
CIE Lab	80.95, -4.18, -20.07
CIE LCh	81, 20.498, 258.233
Yxy	58.3817, 0.2671, 0.2897
Android (android.graphics.Color)	4289383918 (0xFFAACDEE)
YUV	198.2970, 19.5736, -24.8165
Hunter-Lab	76.4079, -7.9323, -15.8238

Details

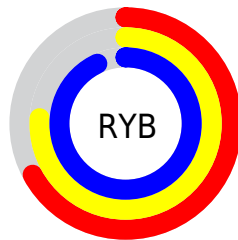
The XYZ color **53.8415, 58.3817, 89.3200** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8724, 63.7920, 46.9784**, and the grayscale version is **53.7569, 56.5565, 61.5900**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **26.7126, 29.2236, 48.4888** is the 20% darker color. If you saturate the color by 10%, you get **46.4936, 50.6439, 88.2147**, and if you desaturate by 10%, it is **62.3284, 67.0122, 90.5395**.

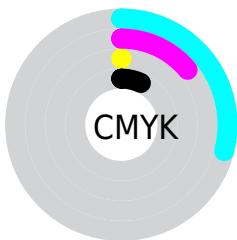
Distribution



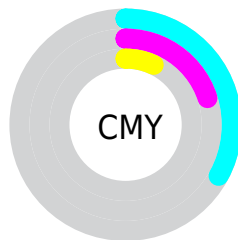
- Red (67%)
- Green (80%)
- Blue (93%)



- Red (67%)
- Yellow (76%)
- Blue (93%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8415, 58.3817, 89.3200 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 53.8415, 58.3817, 89.3200 by changing the saturation by 10% instead.

■ 53.8415, 58.3817,
89.3200

■ 53.8415, 58.3817,
89.3200

391.7135,
418.6067, 546.3293

■ 38.7051, 42.1156,
66.8463

■ 94.9997, 102.4785,
148.3207

■ 26.7101, 29.1918,
48.4989

121.7523,
131.0780, 185.6848

■ 17.4911, 19.2260,
33.8593

153.1077,
164.5573, 228.8494

■ 10.6827, 11.8337,
22.5091

189.4312,
203.3010, 278.2331

■ 5.9196, 6.6305,
14.0296

231.0881,
247.6934, 334.2544

■ 2.8365, 3.2321,
8.0022

278.4439,

■ 1.0679, 1.2541,

298.1189, 397.3318

4.0086

331.8640,
354.9619, 467.8839

■ 0.0000, 0.1052,
1.6301

■ 0.0000, 0.0000,
0.3121

■ 53.8415, 58.3817,
89.3200

■ 53.8415, 58.3817,
89.3200

■ 46.4936, 50.6439,
88.2147

■ 62.3284, 67.0122,
90.5395

■ 40.2245, 43.7571,
87.2159

■ 71.9995, 76.5609,
91.8729

■ 34.9765, 37.6863,
86.3207

■ 82.9042, 87.0607,
93.3248

■ 30.6838, 32.3906,
85.5247

■ 91.2331, 96.5537,
94.7182

■ 27.2718, 27.8243,
84.8232

■ 92.4328, 98.9531,
95.1181

■ 24.6531, 23.9348,
84.2105

■ 22.7028, 20.6499,
83.6792

■ 22.4547, 20.2169,
83.6087

Harmonies

Analogous

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



50.2268, 58.3817, 82.6539



53.8415, 58.3817, 89.3200



58.0843, 58.3817, 88.4662

Triad

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



53.8415, 58.3817, 89.3200



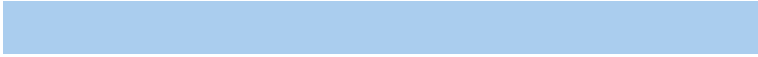
63.6125, 58.3817, 56.5279



49.6198, 58.3817, 49.2285

Complementary

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



53.8415, 58.3817, 89.3200



63.8724, 63.7920, 46.9784

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.



52.9742, 58.3817, 43.8431



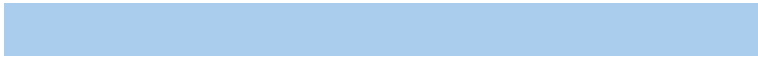
53.8415, 58.3817, 89.3200



61.1087, 58.3817, 47.6722

Square

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



53.8415, 58.3817, 89.3200



63.8739, 58.3817, 68.4569



57.1719, 58.3817, 43.3123



47.8739, 58.3817, 58.9171

Rectangle

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



53.8415, 58.3817, 89.3200



60.6983, 58.3817, 83.7630



57.1719, 58.3817, 43.3123



50.5886, 58.3817, 46.9112

Sweetspot

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



53.8433, 58.3840, 89.3213



83.6544, 89.0032, 107.3780



57.9171, 74.0018, 67.6493



17.5350, 18.6882, 22.9329



0.0000, 0.0000, 0.0000



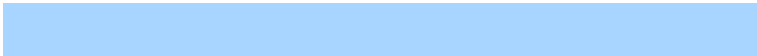
20.3446, 21.4041, 23.3091

Same Dimension

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



53.8433, 58.3840, 89.3213



58.0383, 63.1296, 103.7340



46.5998, 43.8970, 86.9068



15.5702, 16.5744, 20.1002



12.6575, 11.5393, 46.6881



1.1526, 1.1592, 3.9172

Inverse Universe

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



60.6556, 51.3360, 64.4720



67.2991, 54.1766, 69.8123



72.7623, 81.5718, 49.9417



16.1125, 15.8947, 18.1485



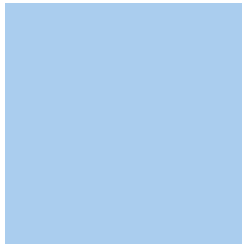
21.7146, 10.9583, 11.6794



1.8567, 0.9317, 1.2364

Previews

White Background



This preview shows how the XYZ color 53.8415, 58.3817, 89.3200 looks on a white background.

Color Contrast Check

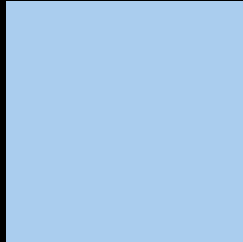
Large Text (above 18pt) WCAG AA × Fail

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 53.8415, 58.3817, 89.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

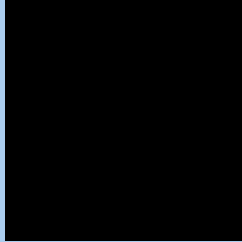
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

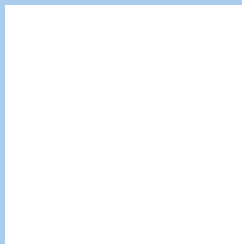
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.8415, 58.3817, 89.3200

Background



This preview shows how black text looks on a background with the XYZ color 53.8415, 58.3817, 89.3200.



This preview shows how white text looks on a background with the XYZ color 53.8415, 58.3817,

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

53.8415, 58.3817, 89.3200

Protanopia

57.5228, 58.2567, 86.0548

Deuteranopia

59.5555, 58.1886, 90.5307



Tritanopia

51.7037, 58.2230, 79.0341

Trichromacy



Original Color

53.8415, 58.3817, 89.3200

Protanomaly

55.8896, 58.0857, 86.8632

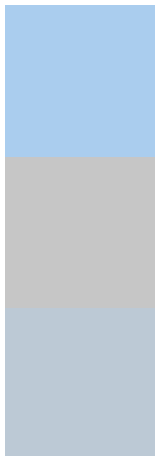
Deuteranomaly

57.2386, 58.0260, 89.8447

Tritanomaly

52.3626, 58.1246, 82.5881

Monochromacy



Original Color

53.8415, 58.3817, 89.3200

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

53.6359, 57.2688, 71.1778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8415, 58.3817, 89.3200 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(170, 205, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 205, 238)  
}
```

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(170, 205, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 205, 238) }
```

Border

The CSS property to change the border of an element to XYZ 53.8415, 58.3817, 89.3200 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(170, 205, 238) }
```


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

```
.border{ border-color:rgb(170, 205, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 205, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 205, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 205, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 205,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8415, 58.3817, 89.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 205, 238) }
```

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

```
.background{ background-color: rgb(170,  
205, 238) }
```

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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