

Converting Colors

XYZ(54.6963, 60.0914, 89.6049)

Have a look what the booklet for
XYZ(54.6963, 60.0914, 89.6049)
contains.

XYZ(54.8106, 60.3200, 89.6430)	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(54.8106, 60.3200,
89.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD1EE
RGB	170, 209, 238
RGB Percent	67%, 82%, 93%
CMY	0.3333, 0.1804, 0.0667
CMYK	0.29, 0.12, 0.00, 0.07
HSL	206°, 67%, 80%
HSV	206°, 29%, 93%
XYZ	54.8106, 60.3200, 89.6430
YIQ	200.6450, -32.5530, 0.7510

Conversions

Conversions Part 2

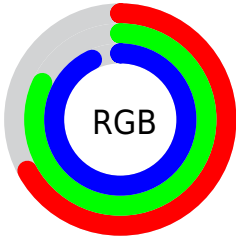
Format	Color
RYB	170, 195, 238
Decimal	11194862
CIELab	82.01, -6.29, -18.46
CIELCh	82, 19.504, 251.195
Yxy	60.3200, 0.2677, 0.2946
Android (android.graphics.Color)	4289384942 (0xFFAAD1EE)
YUV	200.6450, 18.4160, -26.8757
Hunter-Lab	77.6660, -9.9440, -14.0671

Details

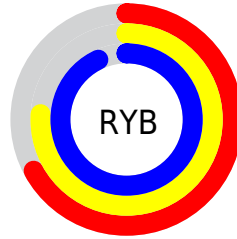
The XYZ color **54.8106, 60.3200, 89.6430** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.9398, 61.9267, 46.6674**, and the grayscale version is **55.2033, 58.0781, 63.2471**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **27.3673, 30.5331, 48.7070** is the 20% darker color. If you saturate the color by 10%, you get **47.7130, 53.0827, 88.6212**, and if you desaturate by 10%, it is **63.0020, 68.3595, 90.7641**.

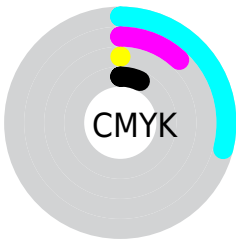
Distribution



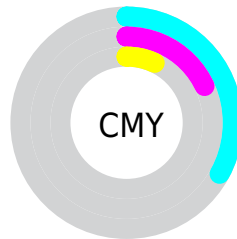
- Red (67%)
- Green (82%)
- Blue (93%)



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



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8106, 60.3200, 89.6430 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 54.8106, 60.3200, 89.6430 by changing the saturation by 10% instead.

■ 54.8106, 60.3200,
89.6430

■ 54.8106, 60.3200,
89.6430

395.3417,
425.7763, 547.4090

■ 39.4833, 43.6766,
67.1125

■ 96.4133, 105.2937,
148.7736

■ 27.3184, 30.4164,
48.7139

123.4195,
134.3929, 186.2108

■ 17.9503, 20.1548,
34.0286

155.0494,
168.4127, 229.4540

■ 11.0138, 12.5076,
22.6380

191.6684,
207.7376, 278.9218

■ 6.1435, 7.0904,
14.1237

233.6417,
252.7521, 335.0326

■ 2.9740, 3.5187,
8.0670

281.3348,

■ 1.1400, 1.4082,

303.8404, 398.2050

4.0495

335.1130,
361.3870, 468.8577

■ 0.0582, 0.2227,
1.6525

■ 0.0000, 0.0000,
0.3279

■ 54.8106, 60.3200,
89.6430

■ 54.8106, 60.3200,
89.6430

■ 47.7130, 53.0827,
88.6212

■ 63.0020, 68.3595,
90.7641

■ 41.6503, 46.6087,
87.6911

■ 72.3309, 77.2237,
91.9834

■ 36.5663, 40.8659,
86.8506

■ 82.8453, 86.9430,
93.3052

■ 32.3969, 35.8167,
86.0957

■ 90.7347, 95.5569,
94.5520

■ 29.0690, 31.4186,
85.4222

■ 92.4328, 98.9531,
95.1181

■ 26.4970, 27.6226,
84.8251

■ 24.5579, 24.3602,
84.2976

■ 24.3087, 23.9248,
84.2267

Harmonies

Analogous

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



51.5625, 60.3200, 81.8234



54.8106, 60.3200, 89.6430



58.8878, 60.3200, 90.6077

Triad

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



54.8106, 60.3200, 89.6430



65.4799, 60.3200, 61.3614



52.2600, 60.3200, 50.0092

Complementary

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



54.8106, 60.3200, 89.6430



62.9398, 61.9267, 46.6674

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.



55.8045, 60.3200, 45.8003



54.8106, 60.3200, 89.6430



63.5174, 60.3200, 51.8102

Square

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



54.8106, 60.3200, 89.6430



65.1823, 60.3200, 73.2850



59.9303, 60.3200, 46.4174



50.1394, 60.3200, 58.6169

Rectangle

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



54.8106, 60.3200, 89.6430



61.5443, 60.3200, 87.1150



59.9303, 60.3200, 46.4174



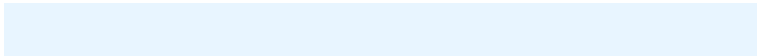
53.3171, 60.3200, 48.0826

Sweetspot

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



54.8125, 60.3224, 89.6444



84.0619, 89.8181, 107.5138



57.3849, 73.7889, 64.8474



17.6354, 18.8890, 22.9664



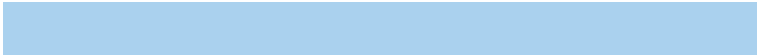
0.0000, 0.0000, 0.0000



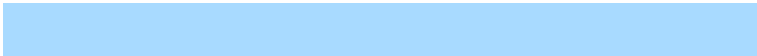
20.3446, 21.4041, 23.3091

Same Dimension

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



54.8125, 60.3224, 89.6444



59.3410, 65.7349, 104.1682



47.4716, 45.6407, 87.1974



15.6500, 16.7342, 20.1268



13.6926, 13.6094, 47.0331



1.2375, 1.3291, 3.9455

Inverse Universe

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



61.1447, 51.5316, 67.0481



67.9566, 54.4396, 73.2748



71.4673, 78.9816, 49.5099



16.1528, 15.9108, 18.3608



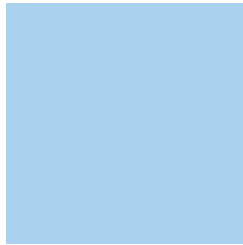
22.2370, 11.1672, 14.4305



1.8996, 0.9489, 1.4622

Previews

White Background



This preview shows how the XYZ color 54.8106, 60.3200, 89.6430 looks on a white background.

Color Contrast Check

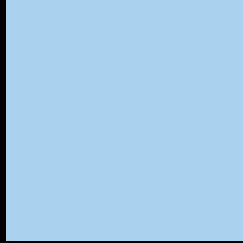
Large Text (above 18pt) WCAG AA × Fail

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 54.8106, 60.3200, 89.6430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

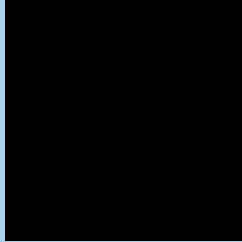
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.8106, 60.3200, 89.6430

Background



This preview shows how black text looks on a background with the XYZ color 54.8106, 60.3200, 89.6430.



This preview shows how white text looks on a background with the XYZ color 54.8106, 60.3200,

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

54.8106, 60.3200, 89.6430

Protanopia

59.1172, 60.1300, 85.5812

Deuteranopia

61.3284, 60.1173, 90.8095



Tritanopia

53.4463, 60.5148, 82.2624

Trichromacy



Original Color

54.8106, 60.3200, 89.6430

Protanomaly

57.5658, 60.3522, 87.2124

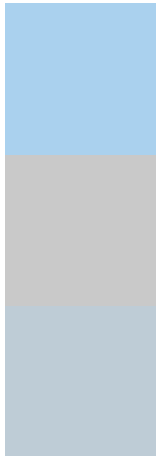
Deuteranomaly

58.6742, 60.1503, 90.1791

Tritanomaly

53.9743, 60.3544, 85.1487

Monochromacy



Original Color

54.8106, 60.3200, 89.6430

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.9657, 58.9879, 72.1071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8106, 60.3200, 89.6430 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, 209, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 209, 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, 209, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 209, 238) }
```

Border

The CSS property to change the border of an element to XYZ 54.8106, 60.3200, 89.6430 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, 209, 238) }
```


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

```
.border{ border-color:rgb(170, 209, 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, 209, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 209, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 209, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 209,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8106, 60.3200, 89.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 209, 238) }
```

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

```
.background{ background-color: rgb(170,  
209, 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](#).

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