

Converting Colors

XYZ(52.5577, 58.8633, 87.8611)

Have a look what the booklet for
XYZ(52.5577, 58.8633, 87.8611)
contains.

XYZ(52.5965, 58.8493, 87.9438)	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(52.5965, 58.8493,
87.9438)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D0EC
RGB	162, 208, 236
RGB Percent	64%, 82%, 93%
CMY	0.3647, 0.1843, 0.0745
CMYK	0.31, 0.12, 0.00, 0.07
HSL	203°, 66%, 78%
HSV	203°, 31%, 93%
XYZ	52.5965, 58.8493, 87.9438
YIQ	197.4380, -36.4040, -1.0440

Conversions

Conversions Part 2

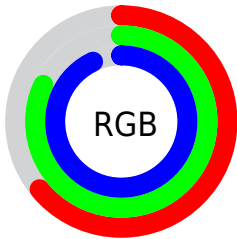
Format	Color
RYB	162, 190, 236
Decimal	10670316
CIELab	81.21, -8.51, -18.66
CIELCh	81, 20.503, 245.488
Yxy	58.8493, 0.2638, 0.2951
Android (android.graphics.Color)	4288860396 (0xFFA2D0EC)
YUV	197.4380, 19.0111, -31.0791
Hunter-Lab	76.7133, -11.8643, -14.2705

Details

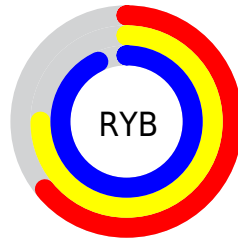
The XYZ color **52.5965, 58.8493, 87.9438** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.5280, 57.2690, 42.1005**, and the grayscale version is **53.2415, 56.0142, 60.9995**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **25.9782, 29.5946, 47.5232** is the 20% darker color. If you saturate the color by 10%, you get **46.1292, 52.3752, 87.0360**, and if you desaturate by 10%, it is **60.0896, 66.0370, 88.9372**.

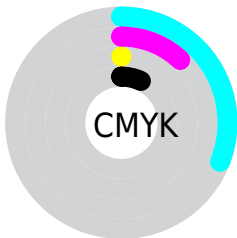
Distribution



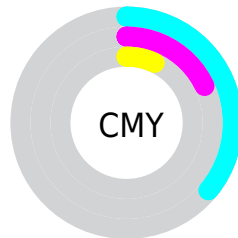
- Red (64%)
- Green (82%)
- Blue (93%)



- Red (64%)
- Yellow (75%)
- Blue (93%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)




- Cyan (36%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5965, 58.8493, 87.9438 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 52.5965, 58.8493, 87.9438 by changing the saturation by 10% instead.


 52.5965, 58.8493,
87.9438


 52.5965, 58.8493,
87.9438


387.0214,
420.3432, 541.7157

 37.7069, 42.4918,
65.7125


 93.1794, 103.1586,
146.3894

 25.9315, 29.4866,
47.5840


 119.6034,
131.8792, 183.4407

 16.9048, 19.4492,
33.1399


150.6030,
165.4897, 226.2690

 10.2615, 11.9953,
21.9617

186.5435,
204.3743, 275.2930

 5.6363, 6.7405,
13.6307

227.7902,
248.9176, 330.9311

 2.6638, 3.3003,
7.7284

274.7085,

 0.9786, 1.2905,

299.5040, 393.6019

3.8364

327.6638,
356.5177, 463.7239

■ 0.0000, 0.1338,
1.5360

■ 0.0000, 0.0000,
0.2446

■ 52.5965, 58.8493,
87.9438

■ 52.5965, 58.8493,
87.9438

■ 46.1292, 52.3752,
87.0360

■ 60.0896, 66.0370,
88.9372

■ 40.6299, 46.5777,
86.2069

■ 68.6516, 73.9591,
90.0151

■ 36.0429, 41.4265,
85.4543

■ 78.3294, 82.6441,
91.1814

■ 32.3041, 36.8855,
84.7749

■ 88.6472, 91.8496,
92.4144

■ 29.3402, 32.9135,
84.1644

■ 91.3953, 97.3459,
93.3305

■ 27.0638, 29.4623,
83.6183

■ 92.1405, 98.8362,
93.5789

■ 25.5291, 26.8335,
83.1917

Harmonies

Analogous

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



49.5115, 58.8493, 78.7214



52.5965, 58.8493, 87.9438



56.7235, 58.8493, 90.4516

Triad

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



52.5965, 58.8493, 87.9438



64.5127, 58.8493, 61.8540



51.3017, 58.8493, 46.7730

Complementary

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



52.5965, 58.8493, 87.9438



59.5280, 57.2690, 42.1005

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.



55.1529, 58.8493, 43.4032



52.5965, 58.8493, 87.9438



62.8903, 58.8493, 51.3715

Square

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



52.5965, 58.8493, 87.9438



63.7433, 58.8493, 74.3369



59.4108, 58.8493, 44.9733



48.7910, 58.8493, 54.8072

Rectangle

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



52.5965, 58.8493, 87.9438



59.5429, 58.8493, 87.7348



59.4108, 58.8493, 44.9733



52.4749, 58.8493, 45.1071

Sweetspot

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



52.5983, 58.8516, 87.9452



84.3972, 90.4886, 107.6256



54.0969, 71.3534, 59.1429



17.7181, 19.0543, 22.9940



0.0000, 0.0000, 0.0000



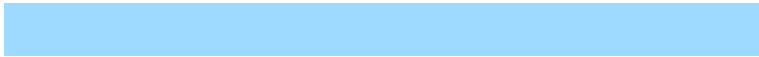
20.3446, 21.4041, 23.3091

Same Dimension

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



52.5983, 58.8516, 87.9452



57.3293, 64.8174, 104.0972



44.7692, 43.1934, 85.3355



15.0112, 16.1088, 19.2404



14.2006, 15.0482, 45.8991



1.2073, 1.3660, 3.6349

Inverse Universe

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



58.8991, 48.2292, 65.8819



66.1831, 50.8275, 72.8840



68.3474, 74.9080, 45.0403



15.4592, 15.2115, 17.7034



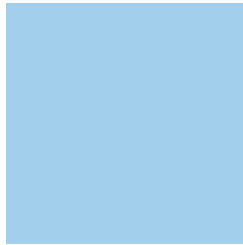
22.0231, 11.0119, 16.4549



1.7759, 0.8833, 1.5371

Previews

White Background



This preview shows how the XYZ color 52.5965, 58.8493, 87.9438 looks on a white background.

Color Contrast Check

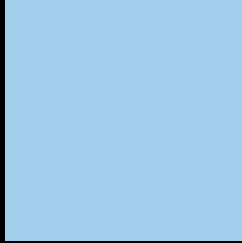
Large Text (above 18pt) WCAG AA × Fail

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 52.5965, 58.8493, 87.9438 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 52.5965, 58.8493, 87.9438

Background



This preview shows how black text looks on a background with the XYZ color 52.5965, 58.8493, 87.9438.



This preview shows how white text looks on a background with the XYZ color 52.5965, 58.8493,

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

52.5965, 58.8493, 87.9438

Protanopia

57.7022, 58.7575, 83.1630

Deuteranopia

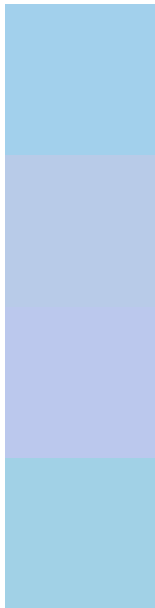
59.5297, 58.2095, 88.9869



Tritanopia

51.2713, 59.0578, 80.6485

Trichromacy



Original Color

52.5965, 58.8493, 87.9438

Protanomaly

55.6886, 58.7284, 84.7445

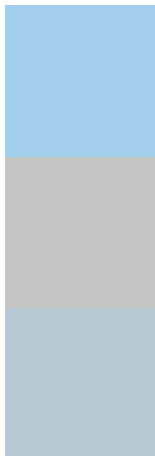
Deuteranomaly

56.4339, 57.9878, 88.3391

Tritanomaly

51.7813, 58.8912, 83.5009

Monochromacy



Original Color

52.5965, 58.8493, 87.9438

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.4117, 56.6668, 69.8034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5965, 58.8493, 87.9438 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(162, 208, 236)` looks like.

```
.text, #text, p{  
    color:rgb(162, 208, 236)  
}
```

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(162, 208, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 208, 236) }
```

Border

The CSS property to change the border of an element to XYZ 52.5965, 58.8493, 87.9438 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(162, 208, 236) }
```


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

```
.border{ border-color:rgb(162, 208, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 208, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 208, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 208, 236);  
box-shadow:4px 4px 4px 4px rgb(162, 208,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5965, 58.8493, 87.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 208, 236) }
```

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

```
.background{ background-color: rgb(162,  
208, 236) }
```

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