

Converting Colors

XYZ(51.9219, 55.3213, 88.1499)

Have a look what the booklet for
XYZ(51.9219, 55.3213, 88.1499)
contains.

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Color

**XYZ(51.8579, 55.2861,
88.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C7ED
RGB	168, 199, 237
RGB Percent	66%, 78%, 93%
CMY	0.3412, 0.2196, 0.0706
CMYK	0.29, 0.16, 0.00, 0.07
HSL	213°, 66%, 79%
HSV	213°, 29%, 93%
XYZ	51.8579, 55.2861, 88.0588
YIQ	194.0630, -30.6740, 5.2460

Conversions

Conversions Part 2

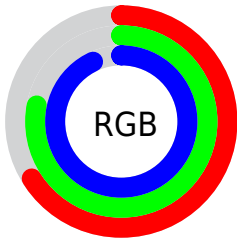
Format	Color
RYB	168, 189, 237
Decimal	11061229
CIELab	79.21, -1.80, -22.19
CIELCh	79, 22.263, 265.353
Yxy	55.2861, 0.2657, 0.2832
Android (android.graphics.Color)	4289251309 (0xFFA8C7ED)
YUV	194.0630, 21.1679, -22.8573
Hunter-Lab	74.3546, -5.6275, -18.1694

Details

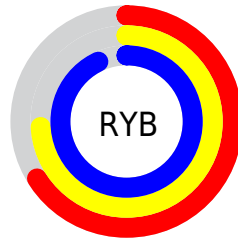
The XYZ color **51.8579, 55.2861, 88.0588** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.0650, 64.9747, 46.2120**, and the grayscale version is **51.2085, 53.8754, 58.6703**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **25.4053, 27.1644, 47.6203** is the 20% darker color. If you saturate the color by 10%, you get **44.3897, 47.1688, 86.8866**, and if you desaturate by 10%, it is **60.5067, 64.3970, 89.3625**.

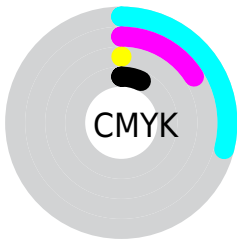
Distribution



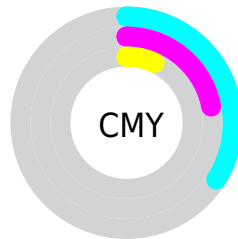
- Red (66%)
- Green (78%)
- Blue (93%)



- Red (66%)
- Yellow (74%)
- Blue (93%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8579, 55.2861, 88.0588 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 51.8579, 55.2861, 88.0588 by changing the saturation by 10% instead.

■ 51.8579, 55.2861,
88.0588

■ 51.8579, 55.2861,
88.0588

384.2208,
406.9955, 542.1021

■ 37.1156, 39.6308,
65.8072

■ 92.0971, 97.9600,
146.5509

■ 25.4711, 27.2508,
47.6604

■ 118.3248,
125.7474, 183.6284

■ 16.5590, 17.7617,
33.1999

149.1116,
158.3477, 226.4849

■ 10.0139, 10.7790,
22.0073

184.8229,
196.1452, 275.5390

■ 5.4705, 5.9184,
13.6639

225.8242,
239.5244, 331.2093

■ 2.5635, 2.7956,
7.7512

272.4807,

■ 0.9274, 1.0260,

288.8695, 393.9142

3.8507

325.1577,
344.5651, 464.0722

■ 0.0000, 0.0000,
1.5438

■ 0.0000, 0.0000,
0.2502

■ 51.8579, 55.2861,
88.0588

■ 51.8579, 55.2861,
88.0588

■ 44.3897, 47.1688,
86.8866

■ 60.5067, 64.3970,
89.3625

■ 38.0403, 39.9998,
85.8375

■ 70.3833, 74.5311,
90.7980

■ 32.7503, 33.7398,
84.9080

■ 81.5385, 85.7248,
92.3707

■ 28.4515, 28.3433,
84.0929

■ 91.0892, 96.5004,
93.9472

■ 25.0672, 23.7600,
83.3866

■ 92.2862, 98.8945,
94.3462

■ 22.5074, 19.9320,
82.7827

■ 20.6375, 16.7779,
82.2724

■ 20.4904, 16.5227,
82.2309

Harmonies

Analogous

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



47.8340, 55.2861, 82.6789



51.8579, 55.2861, 88.0588



56.2955, 55.2861, 85.1552

Triad

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



51.8579, 55.2861, 88.0588



60.6615, 55.2861, 50.3067



45.8214, 55.2861, 47.3183

Complementary

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



51.8579, 55.2861, 88.0588



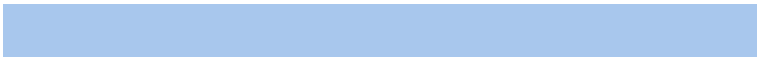
64.0650, 64.9747, 46.2120

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.



48.9702, 55.2861, 40.6649



51.8579, 55.2861, 88.0588



57.5615, 55.2861, 42.2120

Square

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



51.8579, 55.2861, 88.0588



61.5412, 55.2861, 62.2035



53.2438, 55.2861, 38.9359



44.4762, 55.2861, 58.2344

Rectangle

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



51.8579, 55.2861, 88.0588



58.8702, 55.2861, 79.1022



53.2438, 55.2861, 38.9359



46.6951, 55.2861, 44.5732

Sweetspot

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



51.8596, 55.2883, 88.0601



83.2048, 88.1038, 107.2281



57.5684, 73.3481, 69.4854



17.4244, 18.4669, 22.8961



0.0000, 0.0000, 0.0000



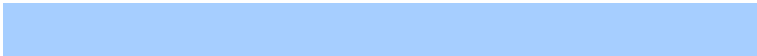
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8596, 55.2883, 88.0601



55.7587, 59.3704, 103.1286



46.1828, 42.8297, 85.9545



14.7885, 15.6634, 19.1661



11.3138, 9.2746, 44.9368



0.9832, 0.9179, 3.5602

Inverse Universe

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



59.2379, 50.1348, 60.5900



65.9532, 52.8906, 65.0298



71.1372, 80.8129, 48.8964



15.3468, 15.1666, 17.1114



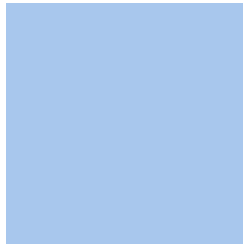
20.5660, 10.4291, 8.7818



1.6628, 0.8381, 0.9416

Previews

White Background



This preview shows how the XYZ color 51.8579, 55.2861, 88.0588 looks on a white background.

Color Contrast Check

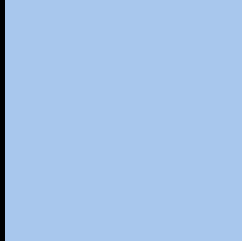
Large Text (above 18pt) WCAG AA × Fail

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 51.8579, 55.2861, 88.0588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

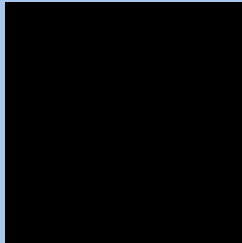
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

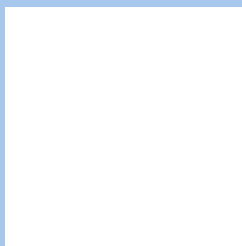
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8579, 55.2861, 88.0588

Background



This preview shows how black text looks on a background with the XYZ color 51.8579, 55.2861, 88.0588.



This preview shows how white text looks on a background with the XYZ color 51.8579, 55.2861,

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

51.8579, 55.2861, 88.0588

Protanopia

54.6366, 55.0889, 85.5955

Deuteranopia

56.4219, 55.2687, 89.3555



Tritanopia

49.0853, 55.1955, 74.3964

Trichromacy



Original Color

51.8579, 55.2861, 88.0588

Protanomaly

53.5577, 55.1813, 86.4255

Deuteranomaly

54.7149, 55.3936, 88.6972

Tritanomaly

49.9943, 55.2089, 79.2556

Monochromacy



Original Color

51.8579, 55.2861, 88.0588

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.3804, 54.4473, 68.7741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8579, 55.2861, 88.0588 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(168, 199, 237)` looks like.

```
.text, #text, p{  
    color:rgb(168, 199, 237)  
}
```

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(168, 199, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 199, 237) }
```

Border

The CSS property to change the border of an element to XYZ 51.8579, 55.2861, 88.0588 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(168, 199, 237) }
```


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

```
.border{ border-color:rgb(168, 199, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 199, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 199, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 199, 237);  
box-shadow:4px 4px 4px 4px rgb(168, 199,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8579, 55.2861, 88.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 199, 237) }
```

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

```
.background{ background-color: rgb(168,  
199, 237) }
```

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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