

Converting Colors

XYZ(51.8901, 56.1162, 84.5655)

Have a look what the booklet for
XYZ(51.8901, 56.1162, 84.5655)
contains.

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Color

**XYZ(51.8143, 56.0345,
84.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C9E8
RGB	169, 201, 232
RGB Percent	66%, 79%, 91%
CMY	0.3372, 0.2117, 0.0902
CMYK	0.27, 0.13, 0.00, 0.09
HSL	210°, 58%, 79%
HSV	210°, 27%, 91%
XYZ	51.8143, 56.0345, 84.4288
YIQ	194.9660, -29.0230, 2.8570

Conversions

Conversions Part 2

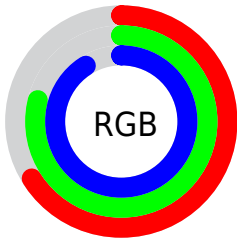
Format	Color
R _Y B	169, 190, 232
Decimal	11127272
CIE Lab	79.63, -3.76, -18.86
CIE LCh	80, 19.228, 258.718
Yxy	56.0345, 0.2695, 0.2914
Android (android.graphics.Color)	4289317352 (0xFFA9C9E8)
YUV	194.9660, 18.2578, -22.7722
Hunter-Lab	74.8562, -7.4434, -14.4727

Details

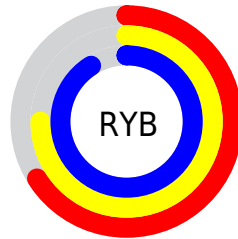
The XYZ color **51.8143, 56.0345, 84.4288** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.0951, 61.3293, 46.1552**, and the grayscale version is **51.7600, 54.4556, 59.3021**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **25.3404, 27.6469, 45.0751** is the 20% darker color. If you saturate the color by 10%, you get **44.7092, 48.5682, 83.3631**, and if you desaturate by 10%, it is **60.0037, 64.3561, 85.6043**.

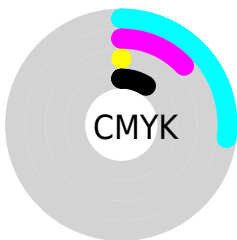
Distribution



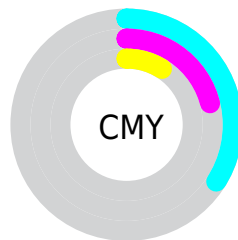
- Red (66%)
- Green (79%)
- Blue (91%)



- Red (66%)
- Yellow (75%)
- Blue (91%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (34%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8143, 56.0345, 84.4288 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 51.8143, 56.0345, 84.4288 by changing the saturation by 10% instead.

■ 51.8143, 56.0345,
84.4288

■ 51.8143, 56.0345,
84.4288

384.0550,
409.8215, 529.8313

■ 37.0807, 40.2306,
62.8221

■ 92.0332, 99.0550,
141.4419

■ 25.4440, 27.7184,
45.2572

118.2492,
127.0404, 177.6854

■ 16.5386, 18.1135,
31.3157

149.0234,
159.8551, 219.6449

■ 9.9994, 11.0315,
20.5789

184.7212,
197.8834, 267.7389

■ 5.4608, 6.0880,
12.6283

225.7079,
241.5099, 322.3860

■ 2.5576, 2.8987,
7.0454

272.3489,

■ 0.9244, 1.0791,

291.1187, 384.0048

3.4116

325.0095,
347.0945, 453.0137

■ 0.0000, 0.0000,
1.3085

■ 0.0000, 0.0000,
0.0687

■ 51.8143, 56.0345,
84.4288

■ 51.8143, 56.0345,
84.4288

■ 44.7092, 48.5682,
83.3631

■ 60.0037, 64.3561,
85.6043

■ 38.6322, 41.9179,
82.3997

■ 69.3197, 73.5568,
86.8893

■ 33.5298, 36.0506,
81.5362

■ 79.8083, 83.6677,
88.2880

■ 29.3408, 30.9281,
80.7682

■ 88.9640, 93.4030,
89.6846

■ 25.9963, 26.5079,
80.0913

■ 91.5657, 98.6063,
90.5518

■ 23.4163, 22.7412,
79.5002

■ 21.4975, 19.5673,
78.9887

■ 21.0263, 18.7476,
78.8554

Harmonies

Analogous

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



48.4918, 56.0345, 78.4982



51.8143, 56.0345, 84.4288



55.6867, 56.0345, 83.5423

Triad

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



51.8143, 56.0345, 84.4288



60.6342, 56.0345, 54.4156



47.8526, 56.0345, 47.9854

Complementary

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



51.8143, 56.0345, 84.4288



61.0951, 61.3293, 46.1552

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.



50.9031, 56.0345, 42.9472



51.8143, 56.0345, 84.4288



58.3291, 56.0345, 46.3370

Square

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



51.8143, 56.0345, 84.4288



60.9073, 56.0345, 65.2839



54.7305, 56.0345, 42.3828



46.2796, 56.0345, 56.9308

Rectangle

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



51.8143, 56.0345, 84.4288



58.0581, 56.0345, 79.2268



54.7305, 56.0345, 42.3828



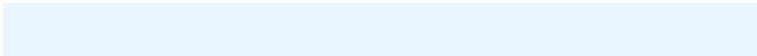
48.7322, 56.0345, 45.8278

Sweetspot

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



51.8160, 56.0367, 84.4301



84.8201, 90.0963, 107.5276



55.5812, 70.2938, 64.9471



17.7658, 18.9032, 22.9623



0.0000, 0.0000, 0.0000



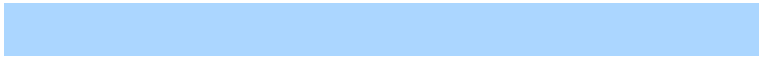
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8160, 56.0367, 84.4301



58.7562, 63.7497, 103.8159



45.3131, 43.0308, 82.2624



14.1850, 15.0914, 18.3096



11.7993, 10.6607, 43.8190



0.9649, 0.9737, 3.2690

Inverse Universe

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



58.0107, 49.7502, 61.8061



67.8606, 55.1636, 70.4188



69.0031, 77.1453, 48.7912



14.6810, 14.4896, 16.5203



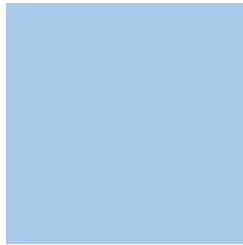
20.3493, 10.2739, 10.7341



1.5506, 0.7780, 1.0402

Previews

White Background



This preview shows how the XYZ color 51.8143, 56.0345, 84.4288 looks on a white background.

Color Contrast Check

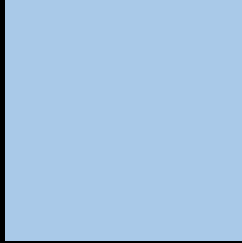
Large Text (above 18pt) WCAG AA × Fail

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 51.8143, 56.0345, 84.4288 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

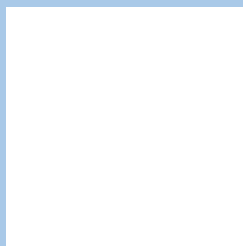
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8143, 56.0345, 84.4288

Background



This preview shows how black text looks on a background with the XYZ color 51.8143, 56.0345, 84.4288.



This preview shows how white text looks on a background with the XYZ color 51.8143, 56.0345,

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

51.8143, 56.0345, 84.4288

Protanopia

55.0046, 55.7080, 81.2525

Deuteranopia

56.9896, 55.6456, 85.5789



Tritanopia

49.8680, 55.9333, 75.1857

Trichromacy



Original Color

51.8143, 56.0345, 84.4288

Protanomaly

53.6375, 55.6569, 82.0446

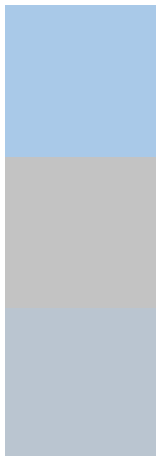
Deuteranomaly

54.7166, 55.4782, 84.9153

Tritanomaly

50.5114, 55.8384, 78.6367

Monochromacy



Original Color

51.8143, 56.0345, 84.4288

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.6011, 54.9257, 67.5566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8143, 56.0345, 84.4288 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(169, 201, 232)` looks like.

```
.text, #text, p{  
    color:rgb(169, 201, 232)  
}
```

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(169, 201, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 201, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.8143, 56.0345, 84.4288 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(169, 201, 232) }
```


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

```
.border{ border-color:rgb(169, 201, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 201, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 201, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 201, 232);  
box-shadow:4px 4px 4px 4px rgb(169, 201,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8143, 56.0345, 84.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 201, 232) }
```

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

```
.background{ background-color: rgb(169,  
201, 232) }
```

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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