

Converting Colors

XYZ(52.0628, 55.7171, 85.1018)

Have a look what the booklet for
XYZ(52.0628, 55.7171, 85.1018)
contains.

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Color

**XYZ(52.1568, 55.8497,
85.1219)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC8E9
RGB	171, 200, 233
RGB Percent	67%, 78%, 91%
CMY	0.3294, 0.2157, 0.0863
CMYK	0.27, 0.14, 0.00, 0.09
HSL	212°, 58%, 79%
HSV	212°, 27%, 91%
XYZ	52.1568, 55.8497, 85.1219
YIQ	195.0910, -27.8770, 4.1150

Conversions

Conversions Part 2

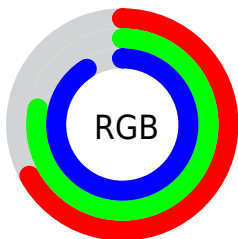
Format	Color
RYB	171, 191, 233
Decimal	11258089
CIELab	79.53, -2.41, -19.54
CIELCh	80, 19.687, 262.968
Yxy	55.8497, 0.2701, 0.2892
Android (android.graphics.Color)	4289448169 (0xFFABC8E9)
YUV	195.0910, 18.6891, -21.1278
Hunter-Lab	74.7327, -6.2049, -15.2196

Details

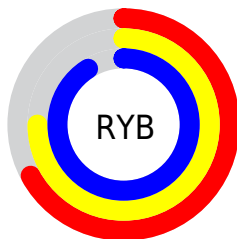
The XYZ color **52.1568, 55.8497, 85.1219** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5484, 63.4498, 47.4798**, and the grayscale version is **51.8314, 54.5307, 59.3839**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **25.5508, 27.5140, 45.5590** is the 20% darker color. If you saturate the color by 10%, you get **44.7657, 47.9486, 83.9873**, and if you desaturate by 10%, it is **60.6789, 64.6824, 86.3786**.

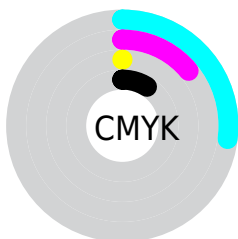
Distribution



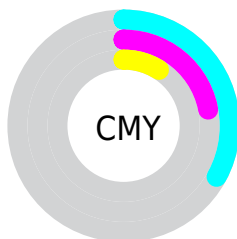
- Red (67%)
- Green (78%)
- Blue (91%)



- Red (67%)
- Yellow (75%)
- Blue (91%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1568, 55.8497, 85.1219 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 52.1568, 55.8497, 85.1219 by changing the saturation by 10% instead.

■ 52.1568, 55.8497,
85.1219

■ 52.1568, 55.8497,
85.1219

385.3557,
409.1248, 532.1864

■ 37.3548, 40.0824,
63.3914

■ 92.5353, 98.7848,
142.4192

■ 25.6573, 27.6028,
45.7149

118.8426,
126.7214, 178.8230

■ 16.6988, 18.0265,
31.6738

149.7156,
159.4832, 220.9549

■ 10.1139, 10.9690,
20.8497

185.5199,
197.4547, 269.2337

■ 5.5374, 6.0460,
12.8240

226.6207,
241.0202, 324.0776

■ 2.6039, 2.8731,
7.1782

273.3833,

■ 0.9479, 1.0658,

290.5641, 385.9054

3.4937

326.1732,
346.4709, 455.1355

■ 0.0000, 0.0000,
1.3519

■ 0.0000, 0.0000,
0.1038

■ 52.1568, 55.8497,
85.1219

■ 52.1568, 55.8497,
85.1219

■ 44.7657, 47.9486,
83.9873

■ 60.6789, 64.6824,
86.3786

■ 38.4480, 40.9372,
82.9670

■ 70.3757, 74.4730,
87.7573

■ 33.1484, 34.7798,
82.0578

■ 81.2947, 85.2551,
89.2629

■ 28.8042, 29.4354,
81.2552

■ 90.0120, 95.2709,
90.7367

■ 25.3450, 24.8584,
80.5540

■ 91.7082, 98.6633,
91.3021

■ 22.6890, 20.9970,
79.9487

■ 20.7343, 17.7887,
79.4325

■ 20.1760, 16.8189,
79.2747

Harmonies

Analogous

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



48.6286, 55.8497, 79.9326



52.1568, 55.8497, 85.1219



56.1104, 55.8497, 83.1789

Triad

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



52.1568, 55.8497, 85.1219



60.4070, 55.8497, 52.6923



47.2342, 55.8497, 48.6006

Complementary

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



52.1568, 55.8497, 85.1219



62.5484, 63.4498, 47.4798

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.



50.1674, 55.8497, 42.8620



52.1568, 55.8497, 85.1219



57.8024, 55.8497, 45.0112

Square

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



52.1568, 55.8497, 85.1219



61.0045, 55.8497, 63.5196



54.0210, 55.8497, 41.6346



45.8796, 55.8497, 58.1802

Rectangle

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



52.1568, 55.8497, 85.1219



58.4441, 55.8497, 78.2033



54.0210, 55.8497, 41.6346



48.0611, 55.8497, 46.2095

Sweetspot

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



52.1585, 55.8519, 85.1232



84.5726, 89.6014, 107.4451



56.7181, 71.2502, 67.2852



17.7035, 18.7787, 22.9415



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.



52.1585, 55.8519, 85.1232



58.8084, 63.0224, 103.6728



46.2927, 43.7848, 83.1031



14.8121, 15.7106, 19.1740



11.5698, 9.7867, 45.0222



1.0040, 0.9595, 3.5672

Inverse Universe

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



58.5939, 50.6210, 61.3287



68.0899, 56.0326, 69.2304



69.7585, 78.3693, 49.9795



15.3587, 15.1713, 17.1743



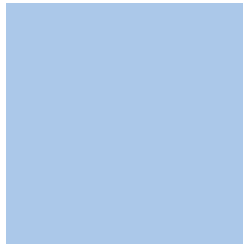
20.6952, 10.4808, 9.4623



1.6733, 0.8423, 0.9969

Previews

White Background



This preview shows how the XYZ color 52.1568, 55.8497, 85.1219 looks on a white background.

Color Contrast Check

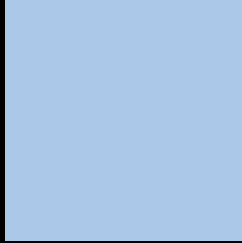
Large Text (above 18pt) WCAG AA × Fail

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 52.1568, 55.8497, 85.1219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

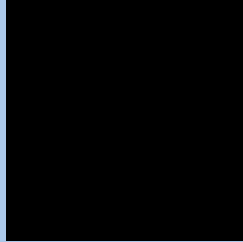
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

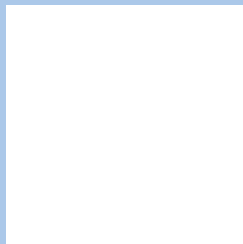
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1568, 55.8497, 85.1219

Background



This preview shows how black text looks on a background with the XYZ color 52.1568, 55.8497, 85.1219.



This preview shows how white text looks on a background with the XYZ color 52.1568, 55.8497,

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

52.1568, 55.8497, 85.1219

Protanopia

55.0332, 55.6905, 82.7117

Deuteranopia

56.8710, 55.5677, 86.3255



Tritanopia

50.0552, 55.6804, 75.1270

Trichromacy



Original Color

52.1568, 55.8497, 85.1219

Protanomaly

53.9185, 55.7693, 83.5240

Deuteranomaly

55.1054, 55.6621, 85.6814

Tritanomaly

50.7034, 55.5901, 78.5786

Monochromacy



Original Color

52.1568, 55.8497, 85.1219

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.7246, 54.9751, 68.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1568, 55.8497, 85.1219 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(171, 200, 233)` looks like.

```
.text, #text, p{  
    color:rgb(171, 200, 233)  
}
```

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(171, 200, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 200, 233) }
```

Border

The CSS property to change the border of an element to XYZ 52.1568, 55.8497, 85.1219 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(171, 200, 233) }
```


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

```
.border{ border-color:rgb(171, 200, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 200, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 200, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 200, 233); box-shadow:4px 4px 4px 4px rgb(171, 200, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1568, 55.8497, 85.1219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 200, 233) }
```

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

```
.background{ background-color: rgb(171,  
200, 233) }
```

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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