

Converting Colors

XYZ(50.0691, 53.7804, 81.9178)

Have a look what the booklet for
XYZ(50.0691, 53.7804, 81.9178)
contains.

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Color

**XYZ(50.0455, 53.8051,
81.8765)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C5E5
RGB	167, 197, 229
RGB Percent	65%, 77%, 90%
CMY	0.3451, 0.2274, 0.1020
CMYK	0.27, 0.14, 0.00, 0.10
HSL	211°, 54%, 78%
HSV	211°, 27%, 90%
XYZ	50.0455, 53.8051, 81.8765
YIQ	191.6780, -28.1520, 3.5920

Conversions

Conversions Part 2

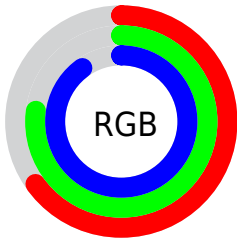
Format	Color
R _Y B	167, 187, 229
Decimal	10995173
CIE Lab	78.35, -2.92, -19.20
CIE LCh	78, 19.423, 261.346
Yxy	53.8051, 0.2695, 0.2897
Android (android.graphics.Color)	4289185253 (0xFFA7C5E5)
YUV	191.6780, 18.3997, -21.6426
Hunter-Lab	73.3520, -6.5816, -14.8340

Details

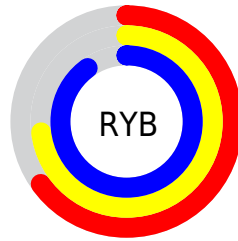
The XYZ color **50.0455, 53.8051, 81.8765** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.7125, 60.2956, 45.0518**, and the grayscale version is **49.8245, 52.4193, 57.0846**.

A 20% lighter version of the original color is **83.9232, 93.7916, 108.2881**, and **24.3047, 26.2395, 43.3189** is the 20% darker color. If you saturate the color by 10%, you get **43.0503, 46.3711, 80.8112**, and if you desaturate by 10%, it is **58.1111, 62.1059, 83.0545**.

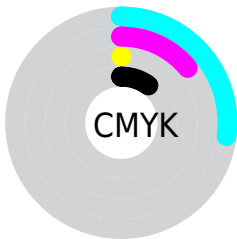
Distribution



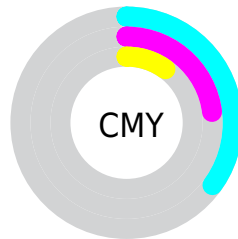
- Red (65%)
- Green (77%)
- Blue (90%)



- Red (65%)
- Yellow (73%)
- Blue (90%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (35%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0455, 53.8051, 81.8765 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 50.0455, 53.8051, 81.8765 by changing the saturation by 10% instead.

■ 50.0455, 53.8051,
81.8765

■ 50.0455, 53.8051,
81.8765

377.2929,
401.3664, 521.1071

■ 35.6675, 38.4459,
60.7285

■ 89.4337, 95.7880,
137.8359

■ 24.3464, 26.3289,
43.5770

■ 115.1746,
123.1805, 173.4845

■ 15.7169, 17.0699,
30.0033

145.4339,
155.3528, 214.8036

■ 9.4136, 10.2843,
19.5890

180.5769,
192.6894, 262.2118

■ 5.0712, 5.5879,
11.9156

220.9689,
235.5747, 316.1278

■ 2.3243, 2.5961,
6.5644

266.9753,

■ 0.8071, 0.9247,

284.3930, 376.9700

3.1169

318.9616,
339.5288, 445.1569

■ 0.0000, 0.0000,
1.1546

■ 0.0000, 0.0000,
0.0000

■ 50.0455, 53.8051,
81.8765

■ 50.0455, 53.8051,
81.8765

■ 43.0503, 46.3711,
80.8112

■ 58.1111, 62.1059,
83.0545

■ 37.0705, 39.7645,
79.8512

■ 67.2885, 71.2978,
84.3450

■ 32.0535, 33.9521,
78.9937

■ 77.6232, 81.4122,
85.7526

■ 27.9393, 28.8954,
78.2345

■ 87.8178, 91.7868,
87.2178

■ 24.6607, 24.5516,
77.5688

■ 91.1430, 98.4372,
88.3262

■ 22.1393, 20.8721,
76.9915

■ 20.2749, 17.7964,
76.4961

■ 19.8070, 16.9852,
76.3642

Harmonies

Analogous

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



46.6984, 53.8051, 76.5485



50.0455, 53.8051, 81.8765



53.8540, 53.8051, 80.3847

Triad

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



50.0455, 53.8051, 81.8765



58.2731, 53.8051, 51.2731



45.6286, 53.8051, 46.4301

Complementary

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



50.0455, 53.8051, 81.8765



59.7125, 60.2956, 45.0518

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.



48.5190, 53.8051, 41.1319



50.0455, 53.8051, 81.8765



55.8549, 53.8051, 43.6770

Square

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



50.0455, 53.8051, 81.8765



58.7317, 53.8051, 61.7993



52.2506, 53.8051, 40.1907



44.2327, 53.8051, 55.4834

Rectangle

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



50.0455, 53.8051, 81.8765



56.1351, 53.8051, 75.7935



52.2506, 53.8051, 40.1907



46.4507, 53.8051, 44.2002

Sweetspot

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



50.0472, 53.8073, 81.8777



84.6717, 89.7996, 107.4781



54.1500, 68.3325, 63.7629



17.7285, 18.8285, 22.9498



0.0000, 0.0000, 0.0000



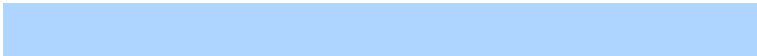
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0472, 53.8073, 81.8777



59.1377, 63.6809, 103.7825



43.8994, 41.5117, 79.8285



14.1555, 15.0325, 18.2998



11.4440, 9.9501, 43.7006



0.9383, 0.9206, 3.2602

Inverse Universe

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



56.2113, 48.3282, 59.1912



68.2561, 56.0991, 70.1055



67.3085, 75.4877, 47.5838



14.6661, 14.4836, 16.4420



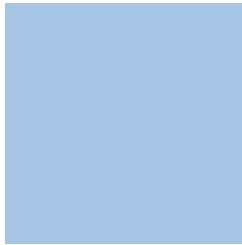
20.1699, 10.2022, 9.7897



1.5373, 0.7726, 0.9697

Previews

White Background



This preview shows how the XYZ color 50.0455, 53.8051, 81.8765 looks on a white background.

Color Contrast Check

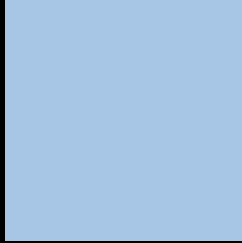
Large Text (above 18pt) WCAG AA × Fail

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 50.0455, 53.8051, 81.8765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

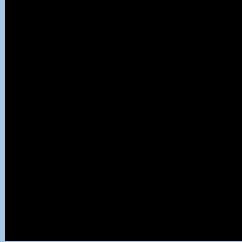
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

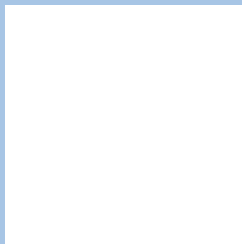
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0455, 53.8051, 81.8765

Background



This preview shows how black text looks on a background with the XYZ color 50.0455, 53.8051, 81.8765.



This preview shows how white text looks on a background with the XYZ color 50.0455, 53.8051,

81.8765.

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

50.0455, 53.8051, 81.8765

Protanopia

53.0706, 53.7551, 79.5301

Deuteranopia

54.8695, 53.6340, 83.0618



Tritanopia

47.9990, 53.6457, 72.1148

Trichromacy



Original Color

50.0455, 53.8051, 81.8765

Protanomaly

51.9793, 53.8329, 80.3242

Deuteranomaly

52.8997, 53.6028, 82.4212

Tritanomaly

48.6294, 53.5548, 75.4842

Monochromacy



Original Color

50.0455, 53.8051, 81.8765

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8397, 53.0586, 65.3721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0455, 53.8051, 81.8765 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(167, 197, 229)` looks like.

```
.text, #text, p{  
    color:rgb(167, 197, 229)  
}
```

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(167, 197, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 197, 229) }
```

Border

The CSS property to change the border of an element to XYZ 50.0455, 53.8051, 81.8765 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(167, 197, 229) }
```


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

```
.border{ border-color:rgb(167, 197, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 197, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 197, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 197, 229);  
box-shadow:4px 4px 4px 4px rgb(167, 197,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0455, 53.8051, 81.8765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 197, 229) }
```

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

```
.background{ background-color: rgb(167,  
197, 229) }
```

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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