

Converting Colors

XYZ(50.5870, 55.6787, 93.3136)

Have a look what the booklet for
XYZ(50.5870, 55.6787, 93.3136)
contains.

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Color

**XYZ(50.5865, 55.5450,
93.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	99CAF4
RGB	153, 202, 244
RGB Percent	60%, 79%, 96%
CMY	0.4000, 0.2078, 0.0431
CMYK	0.37, 0.17, 0.00, 0.04
HSL	208°, 81%, 78%
HSV	208°, 37%, 96%
XYZ	50.5865, 55.5450, 93.6430
YIQ	192.1370, -42.6860, 2.6740

Conversions

Conversions Part 2

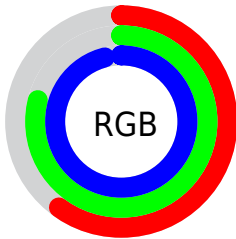
Format	Color
R _Y B	153, 185, 244
Decimal	10078964
CIE Lab	79.35, -5.81, -25.79
CIE LCh	79, 26.439, 257.306
Yxy	55.5450, 0.2532, 0.2780
Android (android.graphics.Color)	4288269044 (0xFF99CAF4)
YUV	192.1370, 25.5685, -34.3231
Hunter-Lab	74.5285, -9.2674, -22.3263

Details

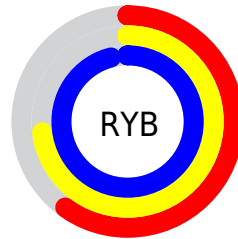
The XYZ color **50.5865, 55.5450, 93.6430** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5742, 60.5642, 38.5307**, and the grayscale version is **50.0576, 52.6645, 57.3516**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **24.7040, 27.4073, 51.5651** is the 20% darker color. If you saturate the color by 10%, you get **43.8971, 48.3172, 92.6014**, and if you desaturate by 10%, it is **58.4139, 63.6482, 94.7955**.

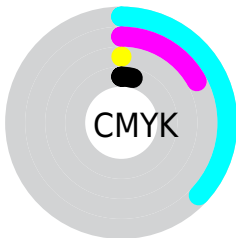
Distribution



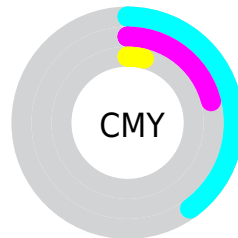
- Red (60%)
- Green (79%)
- Blue (96%)



- Red (60%)
- Yellow (73%)
- Blue (96%)



- Cyan (37%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (40%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5865, 55.5450, 93.6430 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 50.5865, 55.5450, 93.6430 by changing the saturation by 10% instead.

■ 50.5865, 55.5450,
93.6430

■ 50.5865, 55.5450,
93.6430

379.3693,
407.9745, 560.6845

■ 36.0993, 39.8382,
70.4154

■ 90.2299, 98.3390,
154.3679

■ 24.6814, 27.4124,
51.3864

■ 116.1168,
126.1950, 192.7024

■ 15.9673, 17.8832,
36.1373

146.5344,
158.8696, 236.9095

■ 9.5917, 10.8662,
24.2498

181.8480,
196.7471, 287.4078

■ 5.1893, 5.9769,
15.3051

222.4229,
240.2120, 344.6160

■ 2.3946, 2.8311,
8.8848

268.6245,

■ 0.8424, 1.0442,

289.6486, 408.9524

4.5703

320.8182,
345.4413, 480.8358

■ 0.0000, 0.0000,
1.9431

■ 0.0000, 0.0000,
0.5200

■ 50.5865, 55.5450,
93.6430

■ 50.5865, 55.5450,
93.6430

■ 43.8971, 48.3172,
92.6014

■ 58.4139, 63.6482,
94.7955

■ 38.2786, 41.9203,
91.6629

■ 67.4307, 72.6555,
96.0589

■ 33.6642, 36.3151,
90.8241

■ 77.6917, 82.6021,
97.4379

■ 29.9770, 31.4553,
90.0804

■ 89.2462, 93.5189,
98.9361

■ 27.1268, 27.2876,
89.4262

■ 93.3293, 99.3117,
99.8390

■ 24.9974, 23.7453,
88.8547

■ 24.4979, 22.8688,
88.7119

Harmonies

Analogous

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



46.1824, 55.5450, 84.5589



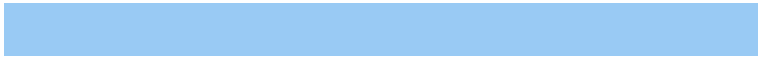
50.5865, 55.5450, 93.6430



55.8828, 55.5450, 92.8322

Triad

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



50.5865, 55.5450, 93.6430



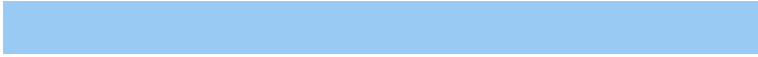
63.1304, 55.5450, 52.2082



45.6543, 55.5450, 42.7729

Complementary

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



50.5865, 55.5450, 93.6430



62.5742, 60.5642, 38.5307

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.



49.8209, 55.5450, 36.6801



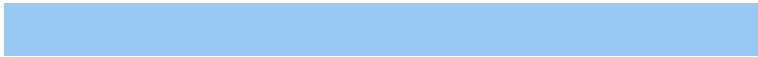
50.5865, 55.5450, 93.6430



60.0080, 55.5450, 41.4687

Square

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



50.5865, 55.5450, 93.6430



63.3697, 55.5450, 67.1202



55.0645, 55.5450, 36.2465



43.4655, 55.5450, 54.2911

Rectangle

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



50.5865, 55.5450, 93.6430



59.2124, 55.5450, 86.7830



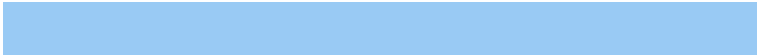
55.0645, 55.5450, 36.2465



46.8568, 55.5450, 40.1126

Sweetspot

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



50.5883, 55.5471, 93.6443



81.4810, 87.0793, 107.1212



55.2209, 75.3677, 62.6480



17.1080, 18.3170, 22.8838



0.0000, 0.0000, 0.0000



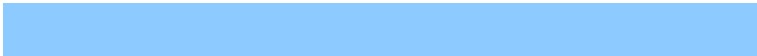
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5883, 55.5471, 93.6443



50.0373, 55.0770, 102.6014



41.6178, 37.6061, 90.6541



16.3203, 17.4050, 21.0419



13.4588, 12.7114, 48.2822



1.2857, 1.3228, 4.2778

Inverse Universe

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



59.3616, 46.2815, 61.6839



61.3201, 44.3555, 61.2314



74.0575, 83.5310, 42.3585



16.8723, 16.6318, 19.0739



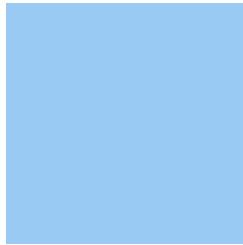
22.5979, 11.3826, 13.1228



2.0380, 1.0212, 1.4266

Previews

White Background



This preview shows how the XYZ color 50.5865, 55.5450, 93.6430 looks on a white background.

Color Contrast Check

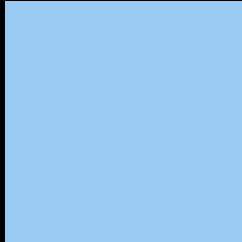
Large Text (above 18pt) WCAG AA × Fail

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 50.5865, 55.5450, 93.6430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

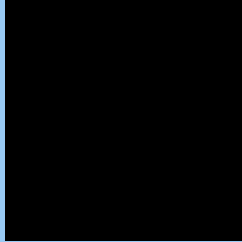
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5865, 55.5450, 93.6430

Background



This preview shows how black text looks on a background with the XYZ color 50.5865, 55.5450, 93.6430.



This preview shows how white text looks on a background with the XYZ color 50.5865, 55.5450,

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

50.5865, 55.5450, 93.6430

Protanopia

54.9741, 55.1957, 88.6453

Deuteranopia

56.4705, 55.1719, 94.8617



Tritanopia

47.4689, 55.7124, 77.3589

Trichromacy



Original Color

50.5865, 55.5450, 93.6430

Protanomaly

53.1500, 55.2224, 90.2958

Deuteranomaly

54.1259, 55.3025, 94.2079

Tritanomaly

48.6919, 55.8598, 83.0786

Monochromacy



Original Color

50.5865, 55.5450, 93.6430

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8579, 53.6480, 69.3553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5865, 55.5450, 93.6430 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(153, 202, 244)` looks like.

```
.text, #text, p{  
    color:rgb(153, 202, 244)  
}
```

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(153, 202, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 202, 244) }
```

Border

The CSS property to change the border of an element to XYZ 50.5865, 55.5450, 93.6430 is called "border". The border property can be set on classes, ids or directly on the HTML element.

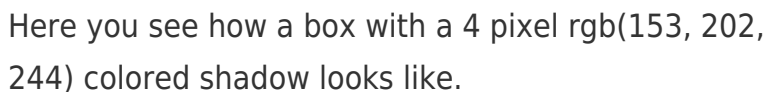
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 202, 244) }
```


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

```
.border{ border-color:rgb(153, 202, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 202, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 202, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 202, 244);  
box-shadow:4px 4px 4px 4px rgb(153, 202,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5865, 55.5450, 93.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 202, 244) }
```

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

```
.background{ background-color: rgb(153,  
202, 244) }
```

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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