

Converting Colors

XYZ(50.3190, 56.6813,
103.3318)

Have a look what the booklet for
XYZ(50.3190, 56.6813, 103.3318)
contains.

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Color

**XYZ(50.1130, 56.5135,
102.8747)**

Conversions

Conversions Part 1

Format	Color
Hex	87CEFF
RGB	135, 206, 255
RGB Percent	53%, 81%, 100%
CMY	0.4706, 0.1921, 0.0000
CMYK	0.47, 0.19, 0.00, 0.00
HSL	204°, 100%, 76%
HSV	204°, 47%, 100%
XYZ	50.1130, 56.5135, 102.8747
YIQ	190.3570, -58.0450, 0.1870

Conversions

Conversions Part 2

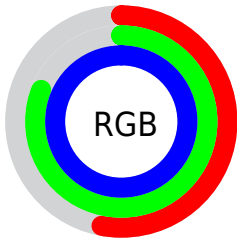
Format	Color
R_{YB}	135, 180, 255
Decimal	8900351
CIE _{Lab}	79.91, -9.45, -30.90
CIE _{LCh}	80, 32.311, 252.988
Yxy	56.5135, 0.2392, 0.2698
Android (android.graphics.Color)	4287090431 (0xFF87CEFF)
YUV	190.3570, 31.8690, -48.5481
Hunter-Lab	75.1755, -12.5665, -28.5132

Details

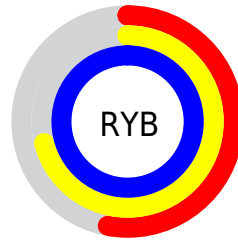
The XYZ color **50.1130, 56.5135, 102.8747** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7546, 57.2914, 30.6746**, and the grayscale version is **48.9968, 51.5485, 56.1363**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **24.4018, 28.0702, 57.5581** is the 20% darker color. If you saturate the color by 10%, you get **44.0668, 49.7989, 101.8973**, and if you desaturate by 10%, it is **57.3110, 64.0707, 103.9540**.

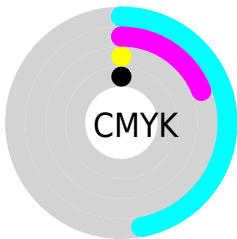
Distribution



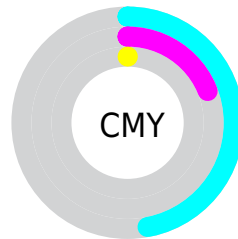
- Red (53%)
- Green (81%)
- Blue (100%)



- Red (53%)
- Yellow (71%)
- Blue (100%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1130, 56.5135, 102.8747 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 50.1130, 56.5135, 102.8747 by changing the saturation by 10% instead.

■ 50.1130, 56.5135,
102.8747

■ 50.1130, 56.5135,
102.8747

377.5524,
411.6238, 590.6956

■ 35.7214, 40.6148,
78.0733

■ 89.5331, 99.7550,
167.1883

■ 24.3882, 28.0182,
57.6174

■ 115.2923,
127.8665, 207.5376

■ 15.7481, 18.3394,
41.0884

■ 145.5713,
160.8178, 253.9066

■ 9.4358, 11.1939,
28.0680

180.7356,
198.9932, 306.7137

■ 5.0859, 6.1974,
18.1374

221.1505,
242.7771, 366.3777

■ 2.3330, 2.9655,
10.8782

267.1814,

■ 0.8115, 1.1137,

292.5539, 433.3170

5.8719

319.1935,
348.7080, 507.9501

■ 0.0000, 0.0000,
2.6998

■ 0.0000, 0.0000,
0.9433

■ 50.1130, 56.5135,
102.8747

■ 50.1130, 56.5135,
102.8747

■ 44.0668, 49.7989,
101.8973

■ 57.3110, 64.0707,
103.9540

■ 39.0930, 43.8778,
101.0166

■ 65.7231, 72.5038,
105.1384

■ 35.1090, 38.7038,
100.2279

■ 75.4128, 81.8512,
106.4319

■ 32.0163, 34.2212,
99.5257

■ 86.4376, 92.1468,
107.8381

■ 29.6899, 30.3604,
98.9031

95.0500, 100.0000,
108.9000

■ 29.0968, 29.3136,
98.7323

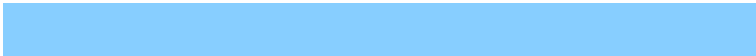
Harmonies

Analogous

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



45.0176, 56.5135, 89.5523



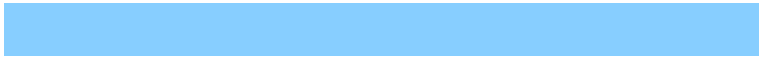
50.1130, 56.5135, 102.8747



56.5953, 56.5135, 103.8008

Triad

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



50.1130, 56.5135, 102.8747



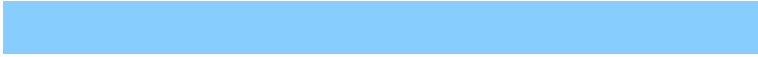
66.9461, 56.5135, 53.7771



45.5758, 56.5135, 38.7388

Complementary

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



50.1130, 56.5135, 102.8747



62.7546, 57.2914, 30.6746

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.



50.9330, 56.5135, 32.6520



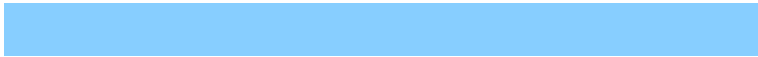
50.1130, 56.5135, 102.8747



63.4647, 56.5135, 40.0692

Square

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



50.1130, 56.5135, 102.8747



66.6814, 56.5135, 72.7020



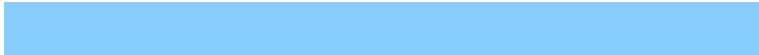
57.4843, 56.5135, 33.0835



42.5478, 56.5135, 51.5718

Rectangle

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



50.1130, 56.5135, 102.8747



60.8682, 56.5135, 97.0207



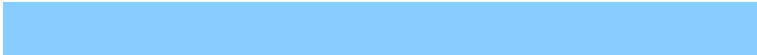
57.4843, 56.5135, 33.0835



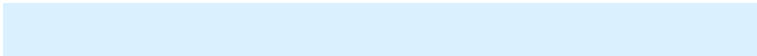
47.1443, 56.5135, 35.9650

Sweetspot

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



50.1147, 56.5155, 102.8750



78.6385, 84.8960, 106.8496



54.3002, 80.0904, 57.3987



16.3417, 17.7092, 22.8069



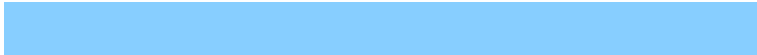
0.0000, 0.0000, 0.0000



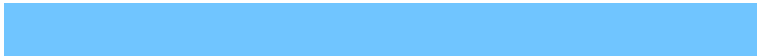
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1147, 56.5155, 102.8750



44.6538, 50.4702, 101.9960



38.4771, 33.2404, 98.9958



17.8965, 19.1646, 23.0058



15.3543, 15.6181, 51.6399



1.6025, 1.7357, 5.0638

Inverse Universe

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



61.0457, 43.0459, 63.4858



57.0989, 36.9096, 56.7528



77.6643, 87.1109, 35.6445



18.4604, 18.1675, 21.0417



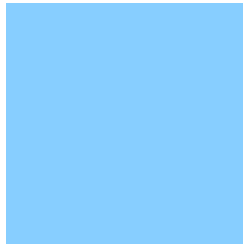
24.5383, 12.3046, 16.7511



2.4435, 1.2198, 1.9167

Previews

White Background



This preview shows how the XYZ color 50.1130, 56.5135, 102.8747 looks on a white background.

Color Contrast Check

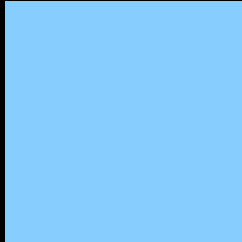
Large Text (above 18pt) WCAG AA × Fail

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 50.1130, 56.5135, 102.8747 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

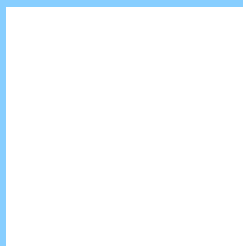
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1130, 56.5135, 102.8747

Background



This preview shows how black text looks on a background with the XYZ color 50.1130, 56.5135, 102.8747.

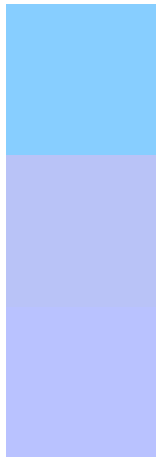


This preview shows how white text looks on a background with the XYZ color 50.1130, 56.5135,

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

50.1130, 56.5135, 102.8747

Protanopia

56.3112, 56.0599, 95.8484

Deuteranopia

57.3494, 56.1179, 102.4169



Tritanopia

46.0503, 56.7020, 81.9163

Trichromacy



Original Color

50.1130, 56.5135, 102.8747

Protanomaly

53.6151, 55.9645, 98.4189

Deuteranomaly

54.1804, 55.8237, 102.5272

Tritanomaly

47.4390, 56.5198, 89.2980

Monochromacy



Original Color

50.1130, 56.5135, 102.8747

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.4551, 52.8809, 71.2715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1130, 56.5135, 102.8747 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(135, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 206, 255)  
}
```

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(135, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1130, 56.5135, 102.8747 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(135, 206, 255) }
```


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

```
.border{ border-color:rgb(135, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1130, 56.5135, 102.8747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 206, 255) }
```

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

```
.background{ background-color: rgb(135,  
206, 255) }
```

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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