

Converting Colors

XYZ(58.1978, 56.2762,
144.5635)

Have a look what the booklet for
XYZ(58.1978, 56.2762, 144.5635)
contains.

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Color

**XYZ(50.1844, 53.0894,
102.2100)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 95C4FF |
| RGB | 149, 196, 255 |
| RGB Percent | 58%, 77%, 100% |
| CMY | 0.4157, 0.2314, 0.0000 |
| CMYK | 0.42, 0.23, 0.00, 0.00 |
| HSL | 213°, 100%, 79% |
| HSV | 213°, 42%, 100% |
| XYZ | 50.1844, 53.0894, 102.2100 |
| YIQ | 188.6730, -46.9510, 8.3850 |

Conversions

Conversions Part 2

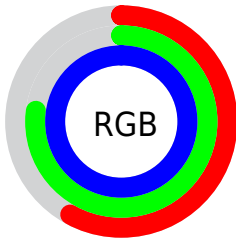
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 149, 182, 255 |
| Decimal | 9815295 |
| CIE _{Lab} | 77.93, -0.74, -33.88 |
| CIE _{LCh} | 78, 33.891, 268.752 |
| Yxy | 53.0894, 0.2442, 0.2584 |
| Android (android.graphics.Color) | 4288005375 (0xFF95C4FF) |
| YUV | 188.6730, 32.6992, -34.7932 |
| Hunter-Lab | 72.8625, -4.5665, -32.1671 |

Details

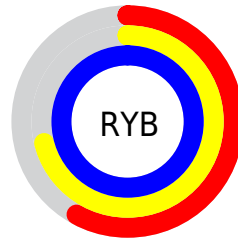
The XYZ color **50.1844, 53.0894, 102.2100** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.2216, 68.5428, 38.0176**, and the grayscale version is **48.0231, 50.5240, 55.0206**.

A 20% lighter version of the original color is **78.3140, 89.9626, 107.8447**, and **24.3802, 25.7504, 57.1114** is the 20% darker color. If you saturate the color by 10%, you get **42.9799, 44.8464, 100.9987**, and if you desaturate by 10%, it is **58.7134, 62.4671, 103.5706**.

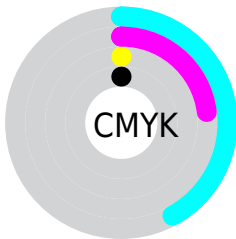
Distribution



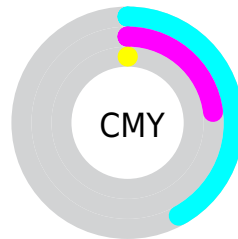
- Red (58%)
- Green (77%)
- Blue (100%)



- Red (58%)
- Yellow (71%)
- Blue (100%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1844, 53.0894, 102.2100 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 50.1844, 53.0894, 102.2100 by changing the saturation by 10% instead.

■ 50.1844, 53.0894,
102.2100

■ 50.1844, 53.0894,
102.2100

377.8267,
398.6280, 588.5622

■ 35.7783, 37.8741,
77.5203

■ 89.6382, 94.7359,
166.2692

■ 24.4324, 25.8850,
57.1659

■ 115.4167,
121.9359, 206.4759

■ 15.7811, 16.7376,
40.7282

145.7167,
153.8997, 252.6919

■ 9.4593, 10.0476,
27.7887

180.9035,
191.0116, 305.3359

■ 5.1014, 5.4305,
17.9288

221.3426,
233.6559, 364.8264

■ 2.3423, 2.5020,
10.7300

267.3992,

■ 0.8162, 0.8777,

282.2172, 431.5819

5.7737

319.4388,
337.0798, 506.0210

■ 0.0000, 0.0000,
2.6414

■ 0.0000, 0.0000,
0.9137

■ 50.1844, 53.0894,
102.2100

■ 50.1844, 53.0894,
102.2100

■ 42.9799, 44.8464,
100.9987

■ 58.7134, 62.4671,
103.5706

■ 37.0195, 37.6808,
99.9297

■ 68.6313, 73.0211,
105.0850

■ 32.2209, 31.5385,
98.9971

■ 80.0036, 84.7980,
106.7588

■ 28.4885, 26.3564,
98.1935

■ 92.8902, 97.8397,
108.5968

■ 25.7083, 22.0615,
97.5111

95.0500, 100.0000,
108.9000

■ 23.9626, 19.0452,
97.0209

Harmonies

Analogous

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



44.1676, 53.0894, 94.7151



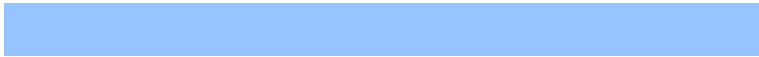
50.1844, 53.0894, 102.2100



56.8042, 53.0894, 95.8179

Triad

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



50.1844, 53.0894, 102.2100



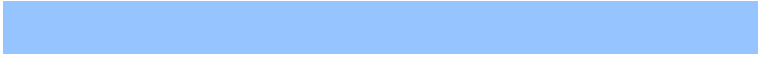
62.4050, 53.0894, 42.0464



40.3829, 53.0894, 40.9489

Complementary

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



50.1844, 53.0894, 102.2100



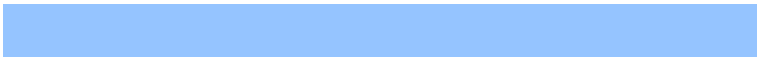
69.2216, 68.5428, 38.0176

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.



44.6065, 53.0894, 31.4684



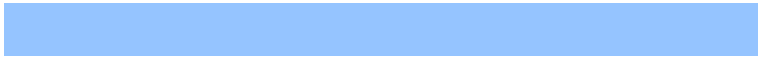
50.1844, 53.0894, 102.2100



57.3231, 53.0894, 31.9983

Square

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



50.1844, 53.0894, 102.2100



64.2190, 53.0894, 58.5993



50.7364, 53.0894, 28.5838



38.8214, 53.0894, 57.0185

Rectangle

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



50.1844, 53.0894, 102.2100



60.5999, 53.0894, 85.1870



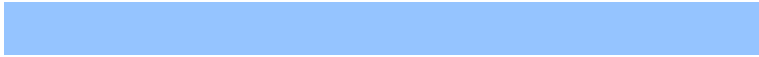
50.7364, 53.0894, 28.5838



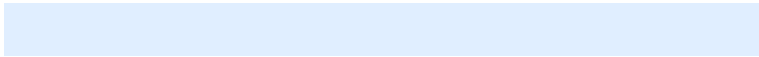
41.5192, 53.0894, 37.0270

Sweetspot

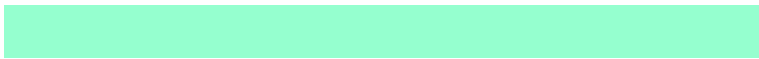
The Sweet Spot groups the original color and five complimentary colors.



50.1860, 53.0913, 102.2103



79.4798, 84.2617, 106.6828



59.4548, 82.4298, 72.0024



16.6777, 17.6925, 22.7859



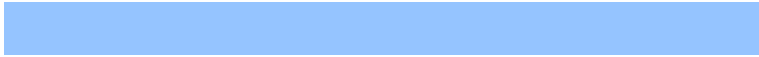
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



50.1860, 53.0913, 102.2103



44.0245, 46.0654, 101.1789



42.1828, 35.6165, 99.2591



17.6659, 18.7035, 22.9290



12.6643, 10.2382, 50.7433



1.3399, 1.2105, 4.9763

Inverse Universe

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



61.9524, 46.7422, 57.9833



57.5493, 40.0303, 50.0592



80.5022, 93.9587, 42.3288



18.3440, 18.1209, 20.4288



23.1806, 11.7615, 9.6012



2.3109, 1.1667, 1.2188

Previews

White Background



This preview shows how the XYZ color 50.1844, 53.0894, 102.2100 looks on a white background.

Color Contrast Check

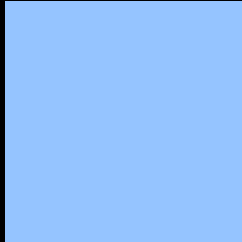
Large Text (above 18pt) WCAG AA × Fail

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 50.1844, 53.0894, 102.2100 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

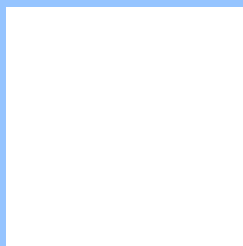
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1844, 53.0894, 102.2100

Background



This preview shows how black text looks on a background with the XYZ color 50.1844, 53.0894, 102.2100.



This preview shows how white text looks on a background with the XYZ color 50.1844, 53.0894,

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

50.1844, 53.0894, 102.2100

Protanopia

53.5733, 52.9591, 97.8410

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

44.7896, 53.3153, 74.9481

Trichromacy



Original Color

50.1844, 53.0894, 102.2100

Protanomaly

52.1462, 52.8345, 99.5451

Deuteranomaly

52.6255, 53.0263, 102.0692

Tritanomaly

46.5475, 52.9744, 84.1157

Monochromacy



Original Color

50.1844, 53.0894, 102.2100

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3154, 51.5020, 70.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1844, 53.0894, 102.2100 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(149, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 196, 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(149, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1844, 53.0894, 102.2100 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(149, 196, 255) }
```


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

```
.border{ border-color:rgb(149, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1844, 53.0894, 102.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 196, 255) }
```

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

```
.background{ background-color: rgb(149,  
196, 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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