

Converting Colors

XYZ(59.1799, 64.8091,
137.5449)

Have a look what the booklet for
XYZ(59.1799, 64.8091, 137.5449)
contains.

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Color

**XYZ(52.7943, 62.3494,
103.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	85DAFF
RGB	133, 218, 255
RGB Percent	52%, 85%, 100%
CMY	0.4784, 0.1451, 0.0000
CMYK	0.48, 0.15, 0.00, 0.00
HSL	198°, 100%, 76%
HSV	198°, 48%, 100%
XYZ	52.7943, 62.3494, 103.8598
YIQ	196.8030, -62.5370, -6.5130

Conversions

Conversions Part 2

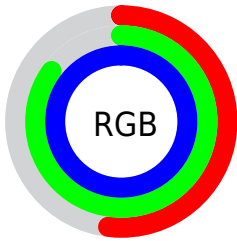
Format	Color
RYB	133, 183, 255
Decimal	8772351
CIELab	83.10, -16.14, -26.02
CIELCh	83, 30.616, 238.185
Yxy	62.3494, 0.2411, 0.2847
Android (android.graphics.Color)	4286962431 (0xFF85DAFF)
YUV	196.8030, 28.6911, -55.9552
Hunter-Lab	78.9616, -18.8365, -22.7122

Details

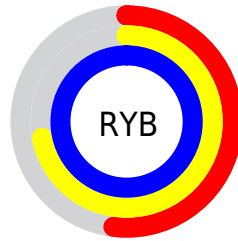
The XYZ color **52.7943, 62.3494, 103.8598** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.8491, 51.7038, 29.0178**, and the grayscale version is **52.8134, 55.5638, 60.5090**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **26.0379, 31.6881, 58.1701** is the 20% darker color. If you saturate the color by 10%, you get **47.2878, 56.6040, 103.0411**, and if you desaturate by 10%, it is **59.3751, 68.7902, 104.7562**.

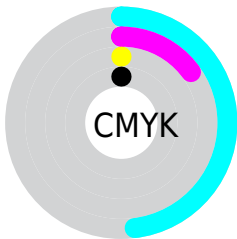
Distribution



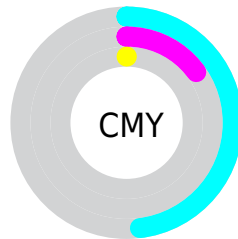
- Red (52%)
- Green (85%)
- Blue (100%)



- Red (52%)
- Yellow (72%)
- Blue (100%)



- Cyan (48%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7943, 62.3494, 103.8598 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 52.7943, 62.3494, 103.8598 by changing the saturation by 10% instead.

52.7943, 62.3494,
103.8598

52.7943, 62.3494,
103.8598

387.7692,
433.2044, 593.8500

37.8654, 45.3151,
78.8931

93.4689, 108.2304,
168.5494

26.0550, 31.7057,
58.2871

119.9454,
137.8458, 209.1093

16.9977, 21.1368,
41.6233

151.0017,
172.4237, 255.7042

10.3281, 13.2240,
28.4831

187.0033,
212.3485, 308.7524

5.6810, 7.5830,
18.4479

228.3155,
258.0046, 368.6725

2.6909, 3.8293,
11.0993

275.3036,

0.9925, 1.5785,

309.7763, 435.8832

6.0186

328.3331,
368.0482, 510.8028

■ 0.0000, 0.3431,
2.7875

■ 0.0000, 0.0000,
0.9872

■ 52.7943, 62.3494,
103.8598

■ 52.7943, 62.3494,
103.8598

■ 47.2878, 56.6040,
103.0411

■ 59.3751, 68.7902,
104.7562

■ 42.7770, 51.5077,
102.2951

■ 67.0907, 75.9553,
105.7325

■ 39.1805, 47.0178,
101.6181

■ 76.0033, 83.8802,
106.7924

■ 36.4006, 43.0821,
101.0049

■ 86.1688, 92.5952,
107.9388

■ 34.3067, 39.6312,
100.4492

95.0500, 100.0000,
108.9000

■ 33.9044, 38.9288,
100.3348

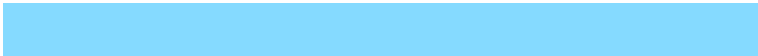
Harmonies

Analogous

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



48.7243, 62.3494, 86.6244



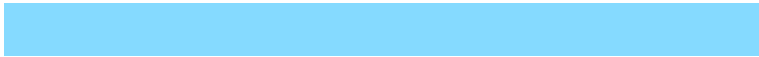
52.7943, 62.3494, 103.8598



58.8586, 62.3494, 111.2856

Triad

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



52.7943, 62.3494, 103.8598



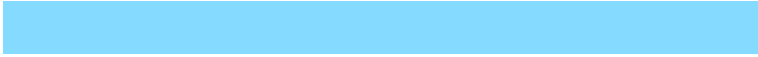
72.9315, 62.3494, 69.0503



53.4442, 62.3494, 40.5344

Complementary

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



52.7943, 62.3494, 103.8598



59.8491, 51.7038, 29.0178

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.



59.6657, 62.3494, 37.5553



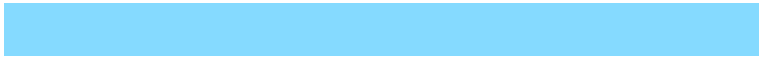
52.7943, 62.3494, 103.8598



71.2173, 62.3494, 52.0689

Square

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



52.7943, 62.3494, 103.8598



70.7621, 62.3494, 89.0010



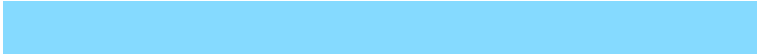
66.2358, 62.3494, 41.3595



49.0794, 62.3494, 50.4094

Rectangle

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



52.7943, 62.3494, 103.8598



63.3276, 62.3494, 108.7958



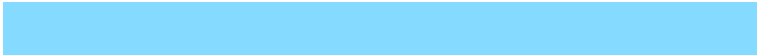
66.2358, 62.3494, 41.3595



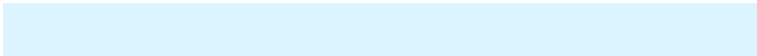
55.3728, 62.3494, 38.7844

Sweetspot

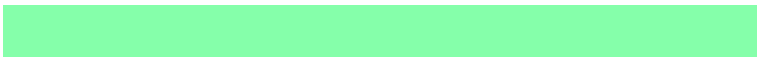
The Sweet Spot groups the original color and five complimentary colors.



52.7961, 62.3517, 103.8602



79.7567, 87.1325, 107.2224



52.6520, 79.3943, 50.3837



16.6150, 18.2558, 22.8980



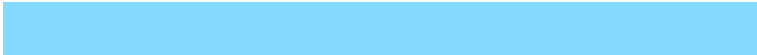
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.7961, 62.3517, 103.8602



47.7115, 57.0617, 103.1071



39.8493, 36.4581, 99.5446



18.0626, 19.4969, 23.0612



17.8534, 20.6164, 52.4730



1.8346, 2.1999, 5.1412

Inverse Universe

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



62.2837, 43.0987, 71.3683



58.5262, 37.0357, 65.6398



73.9384, 79.8824, 33.7142



18.5443, 18.2010, 21.4832



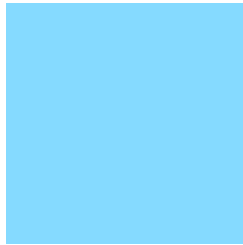
25.7998, 12.8092, 23.3939



2.5606, 1.2666, 2.5337

Previews

White Background



This preview shows how the XYZ color 52.7943, 62.3494, 103.8598 looks on a white background.

Color Contrast Check

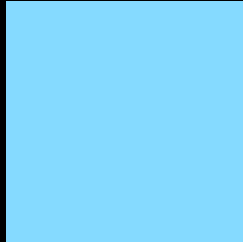
Large Text (above 18pt) WCAG AA × Fail

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 52.7943, 62.3494, 103.8598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

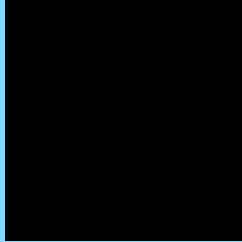
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.7943, 62.3494, 103.8598

Background



This preview shows how black text looks on a background with the XYZ color 52.7943, 62.3494, 103.8598.

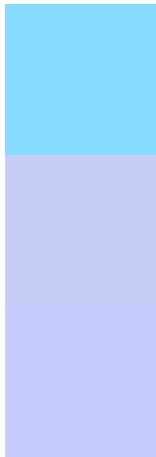


This preview shows how white text looks on a background with the XYZ color 52.7943, 62.3494,

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

52.7943, 62.3494, 103.8598

Protanopia

61.1003, 61.6486, 95.0652

Deuteranopia

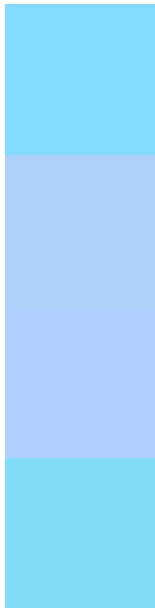
62.7237, 61.6032, 103.1924



Tritanopia

50.3385, 62.5341, 91.0785

Trichromacy



Original Color

52.7943, 62.3494, 103.8598

Protanomaly

57.3549, 61.4392, 98.4585

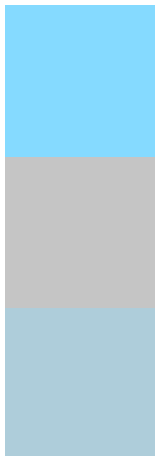
Deuteranomaly

58.2851, 61.4457, 103.3960

Tritanomaly

51.2806, 62.5248, 95.7519

Monochromacy



Original Color

52.7943, 62.3494, 103.8598

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.9418, 57.7233, 74.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7943, 62.3494, 103.8598 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(133, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 218, 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(133, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.7943, 62.3494, 103.8598 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(133, 218, 255) }
```


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

```
.border{ border-color:rgb(133, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7943, 62.3494, 103.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 218, 255) }
```

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

```
.background{ background-color: rgb(133,  
218, 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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