

Converting Colors

XYZ(58.7010, 66.0622,
131.0901)

Have a look what the booklet for
XYZ(58.7010, 66.0622, 131.0901)
contains.

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Color

**XYZ(53.5793, 63.9194,
104.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	85DDFF
RGB	133, 221, 255
RGB Percent	52%, 87%, 100%
CMY	0.4784, 0.1333, 0.0000
CMYK	0.48, 0.13, 0.00, 0.00
HSL	197°, 100%, 76%
HSV	197°, 48%, 100%
XYZ	53.5793, 63.9194, 104.1215
YIQ	198.5640, -63.3620, -8.0820

Conversions

Conversions Part 2

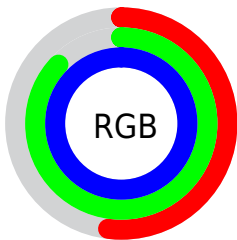
Format	Color
RYB	133, 184, 255
Decimal	8773119
CIELab	83.92, -17.67, -24.76
CIELCh	84, 30.417, 234.487
Yxy	63.9194, 0.2418, 0.2884
Android (android.graphics.Color)	4286963199 (0xFF85DDFF)
YUV	198.5640, 27.8229, -57.4996
Hunter-Lab	79.9496, -20.2877, -21.2510

Details

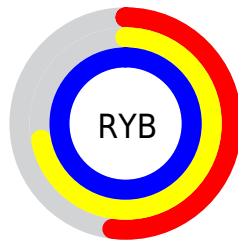
The XYZ color **53.5793, 63.9194, 104.1215** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.2931, 50.5918, 28.8324**, and the grayscale version is **53.8849, 56.6911, 61.7366**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **26.5769, 32.7661, 58.3498** is the 20% darker color. If you saturate the color by 10%, you get **48.1950, 58.4184, 103.3435**, and if you desaturate by 10%, it is **60.0238, 70.0876, 104.9724**.

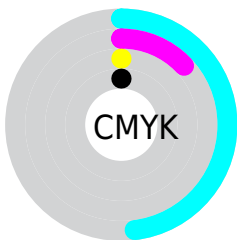
Distribution



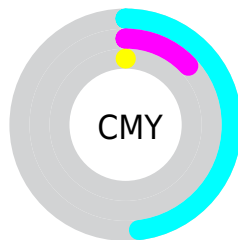
- Red (52%)
- Green (87%)
- Blue (100%)



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



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5793, 63.9194, 104.1215 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 53.5793, 63.9194, 104.1215 by changing the saturation by 10% instead.

53.5793, 63.9194,
104.1215

53.5793, 63.9194,
104.1215

390.7283,
438.8985, 594.6865

38.4948, 46.5854,
79.1110

94.6168, 110.4949,
168.9107

26.5459, 32.7080,
58.4652

121.3004,
140.5051, 209.5265

17.3673, 21.9029,
41.7656

152.5811,
175.5095, 256.1812

10.5936, 13.7855,
28.5936

188.8243,
215.8926, 309.2933

5.8595, 7.9717,
18.5307

230.3952,
262.0386, 369.2813

2.7997, 4.0768,
11.1583

277.6593,

1.0487, 1.7166,

314.3320, 436.5638

6.0579

330.9819,
373.1572, 511.5594

■ 0.0000, 0.4344,
2.8110

■ 0.0000, 0.0000,
0.9989

■ 53.5793, 63.9194,
104.1215

■ 53.5793, 63.9194,
104.1215

■ 48.1950, 58.4184,
103.3435

■ 60.0238, 70.0876,
104.9724

■ 43.7924, 53.5386,
102.6336

■ 67.5887, 76.9513,
105.8985

■ 40.2907, 49.2382,
101.9881

■ 76.3358, 84.5453,
106.9033

■ 37.5922, 45.4654,
101.4021

■ 86.3210, 92.8994,
107.9895

■ 35.5669, 42.1516,
100.8692

95.0500, 100.0000,
108.9000

■ 35.1777, 41.4754,
100.7592

Harmonies

Analogous

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



49.7766, 63.9194, 86.0219



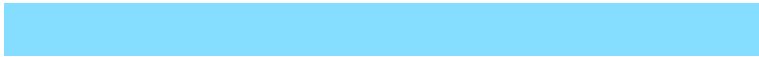
53.5793, 63.9194, 104.1215



59.5254, 63.9194, 113.1149

Triad

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



53.5793, 63.9194, 104.1215



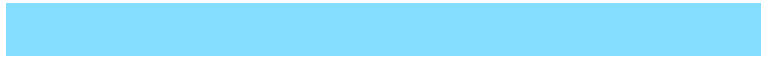
74.4869, 63.9194, 73.1989



55.5731, 63.9194, 41.1520

Complementary

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



53.5793, 63.9194, 104.1215



59.2931, 50.5918, 28.8324

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.



61.9984, 63.9194, 38.9758



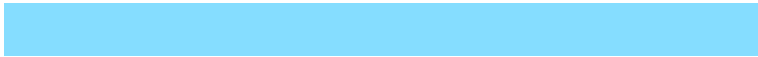
53.5793, 63.9194, 104.1215



73.2359, 63.9194, 55.4090

Square

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



53.5793, 63.9194, 104.1215



71.8443, 63.9194, 93.2811



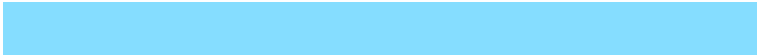
68.5411, 63.9194, 43.6974



50.8671, 63.9194, 50.3056

Rectangle

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



53.5793, 63.9194, 104.1215



64.0307, 63.9194, 111.7360



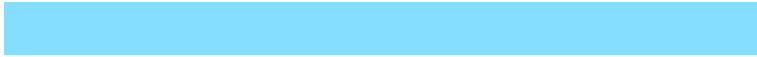
68.5411, 63.9194, 43.6974



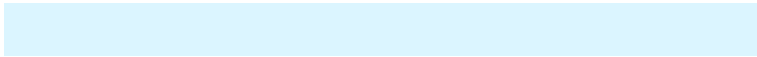
57.5901, 63.9194, 39.6603

Sweetspot

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



53.5811, 63.9217, 104.1218



80.0217, 87.6626, 107.3107



52.2743, 79.2432, 48.3947



16.6799, 18.3856, 22.9196



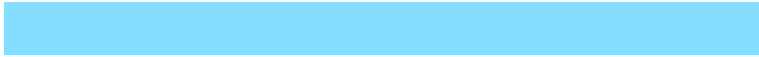
0.0000, 0.0000, 0.0000



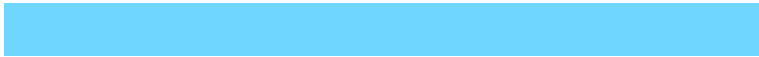
20.3446, 21.4041, 23.3091

Same Dimension

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



53.5811, 63.9217, 104.1218



48.6090, 58.8566, 103.4062



40.5511, 37.8617, 99.7785



18.1018, 19.5753, 23.0743



18.5134, 21.9363, 52.6930



1.8947, 2.3201, 5.1612

Inverse Universe

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



62.6799, 43.2572, 73.4549



58.9792, 37.2168, 68.0252



72.8160, 77.6375, 33.3401



18.5641, 18.2089, 21.5874



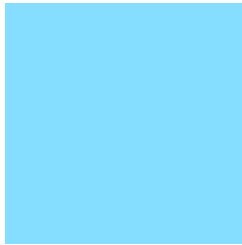
26.1329, 12.9424, 25.1480



2.5910, 1.2788, 2.6934

Previews

White Background



This preview shows how the XYZ color 53.5793, 63.9194, 104.1215 looks on a white background.

Color Contrast Check

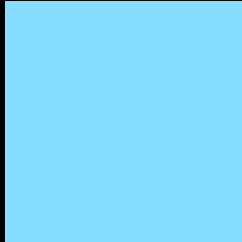
Large Text (above 18pt) WCAG AA × Fail

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 53.5793, 63.9194, 104.1215 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 53.5793, 63.9194, 104.1215

Background



This preview shows how black text looks on a background with the XYZ color 53.5793, 63.9194, 104.1215.

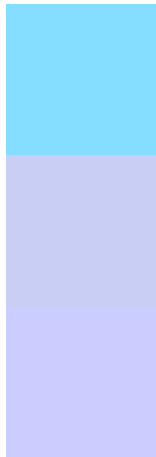


This preview shows how white text looks on a background with the XYZ color 53.5793, 63.9194,

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

53.5793, 63.9194, 104.1215

Protanopia

62.6401, 63.1527, 95.2744

Deuteranopia

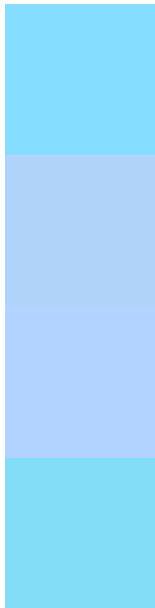
64.2715, 63.1022, 103.4002



Tritanopia

51.3181, 63.7934, 92.8277

Trichromacy



Original Color

53.5793, 63.9194, 104.1215

Protanomaly

58.2976, 62.6582, 98.6442

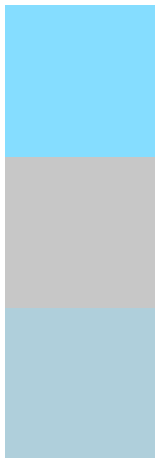
Deuteranomaly

59.4567, 62.7782, 103.5914

Tritanomaly

51.9617, 63.6422, 96.7343

Monochromacy



Original Color

53.5793, 63.9194, 104.1215

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.7782, 58.8541, 75.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5793, 63.9194, 104.1215 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, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 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, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.5793, 63.9194, 104.1215 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, 221, 255) }
```


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

```
.border{ border-color:rgb(133, 221, 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, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5793, 63.9194, 104.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 221, 255) }
```

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

```
.background{ background-color: rgb(133,  
221, 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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