

Converting Colors

XYZ(53.8151, 63.8820,
104.1018)

Have a look what the booklet for
XYZ(53.8151, 63.8820, 104.1018)
contains.

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Color

**XYZ(53.8981, 64.0838,
104.1364)**

Conversions

Conversions Part 1

Format	Color
Hex	87DDFF
RGB	135, 221, 255
RGB Percent	53%, 87%, 100%
CMY	0.4706, 0.1333, 0.0000
CMYK	0.47, 0.13, 0.00, 0.00
HSL	197°, 100%, 76%
HSV	197°, 47%, 100%
XYZ	53.8981, 64.0838, 104.1364
YIQ	199.1620, -62.1700, -7.6580

Conversions

Conversions Part 2

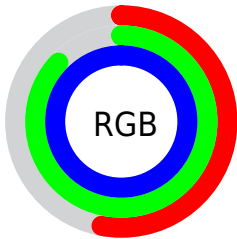
Format	Color
RYB	135, 185, 255
Decimal	8904191
CIELab	84.01, -17.22, -24.62
CIELCh	84, 30.045, 235.031
Yxy	64.0838, 0.2427, 0.2885
Android (android.graphics.Color)	4287094271 (0xFF87DDFF)
YUV	199.1620, 27.5281, -56.2701
Hunter-Lab	80.0524, -19.9101, -21.0910

Details

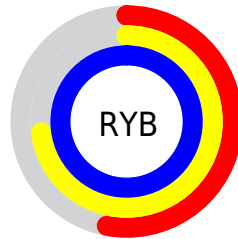
The XYZ color **53.8981, 64.0838, 104.1364** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.8018, 51.3860, 29.6902**, and the grayscale version is **54.2510, 57.0763, 62.1561**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **26.7309, 32.8455, 58.3570** is the 20% darker color. If you saturate the color by 10%, you get **48.4097, 58.4847, 103.3450**, and if you desaturate by 10%, it is **60.4546, 70.3582, 105.0019**.

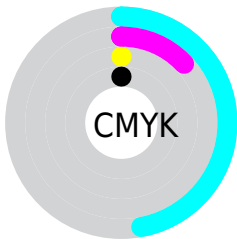
Distribution



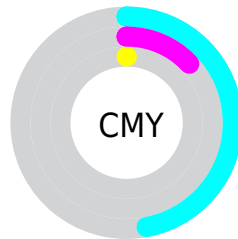
- Red (53%)
- Green (87%)
- Blue (100%)



- Red (53%)
- Yellow (73%)
- Blue (100%)



- Cyan (47%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8981, 64.0838, 104.1364 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 53.8981, 64.0838, 104.1364 by changing the saturation by 10% instead.

53.8981, 64.0838,
104.1364

53.8981, 64.0838,
104.1364

391.9260,
439.4922, 594.7341

38.7505, 46.7186,
79.1234

95.0824, 110.7316,
168.9313

26.7456, 32.8132,
58.4754

121.8498,
140.7830, 209.5503

17.5178, 21.9834,
41.7737

153.2213,
175.8318, 256.2084

10.7020, 13.8447,
28.5999

189.5621,
216.2625, 309.3241

5.9326, 8.0127,
18.5354

231.2376,
262.4595, 369.3160

2.8444, 4.1031,
11.1616

278.6132,

1.0720, 1.7314,

314.8072, 436.6026

6.0601

332.0542,
373.6900, 511.6024

■ 0.0015, 0.4439,
2.8123

■ 0.0000, 0.0000,
0.9996

■ 53.8981, 64.0838,
104.1364

■ 53.8981, 64.0838,
104.1364

■ 48.4097, 58.4847,
103.3450

■ 60.4546, 70.3582,
105.0019

■ 43.9117, 53.5151,
102.6228

■ 68.1391, 77.3360,
105.9438

■ 40.3239, 49.1336,
101.9662

■ 77.0130, 85.0518,
106.9654

■ 37.5502, 45.2890,
101.3703

■ 87.1319, 93.5356,
108.0696

■ 35.4680, 41.9165,
100.8291

95.0500, 100.0000,
108.9000

■ 34.9329, 40.9858,
100.6776

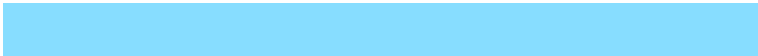
Harmonies

Analogous

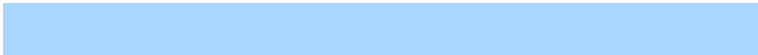
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0835, 64.0838, 86.3745



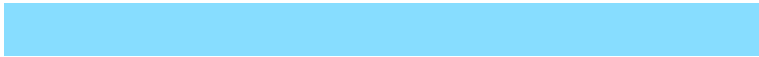
53.8981, 64.0838, 104.1364



59.8132, 64.0838, 112.7862

Triad

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



53.8981, 64.0838, 104.1364



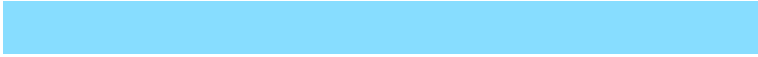
74.4990, 64.0838, 72.9837



55.6785, 64.0838, 41.6708

Complementary

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



53.8981, 64.0838, 104.1364



59.8018, 51.3860, 29.6902

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.



62.0196, 64.0838, 39.3820



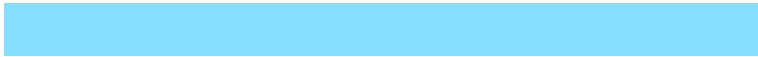
53.8981, 64.0838, 104.1364



73.1934, 64.0838, 55.4537

Square

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



53.8981, 64.0838, 104.1364



71.9536, 64.0838, 92.8382



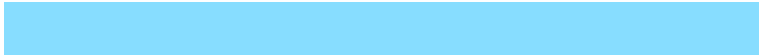
68.5045, 64.0838, 43.9518



51.0580, 64.0838, 50.8898

Rectangle

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



53.8981, 64.0838, 104.1364



64.2726, 64.0838, 111.2632



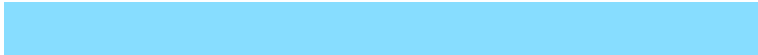
68.5045, 64.0838, 43.9518



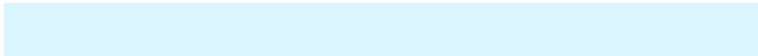
57.6662, 64.0838, 40.1455

Sweetspot

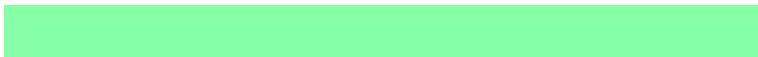
The Sweet Spot groups the original color and five complimentary colors.



53.8999, 64.0861, 104.1368



79.9716, 87.5623, 107.2940



52.7279, 79.4615, 49.1196



16.6676, 18.3610, 22.9155



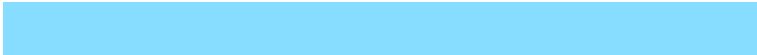
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



53.8999, 64.0861, 104.1368



48.9417, 59.0461, 103.4253



41.1404, 38.5671, 99.8836



18.0944, 19.5605, 23.0718



18.3865, 21.6827, 52.6507



1.8832, 2.2971, 5.1574

Inverse Universe

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



62.9563, 43.8101, 73.5472



59.2633, 37.7753, 68.1501



73.0830, 77.9483, 34.1172



18.5603, 18.2074, 21.5677



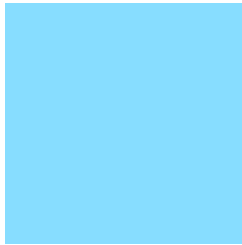
26.0689, 12.9168, 24.8109



2.5852, 1.2764, 2.6628

Previews

White Background



This preview shows how the XYZ color 53.8981, 64.0838, 104.1364 looks on a white background.

Color Contrast Check

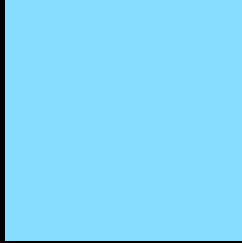
Large Text (above 18pt) WCAG AA × Fail

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 53.8981, 64.0838, 104.1364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

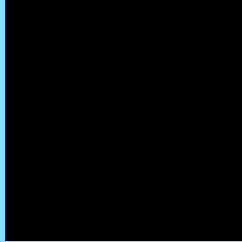
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.8981, 64.0838, 104.1364

Background



This preview shows how black text looks on a background with the XYZ color 53.8981, 64.0838, 104.1364.

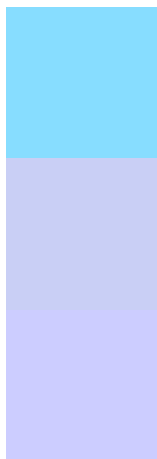


This preview shows how white text looks on a background with the XYZ color 53.8981, 64.0838,

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

53.8981, 64.0838, 104.1364

Protanopia

62.8816, 63.6357, 95.3549

Deuteranopia

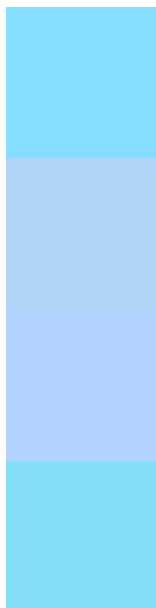
64.7832, 63.7200, 103.4925



Tritanopia

51.6249, 63.9515, 92.8420

Trichromacy



Original Color

53.8981, 64.0838, 104.1364

Protanomaly

58.7738, 63.2736, 98.7379

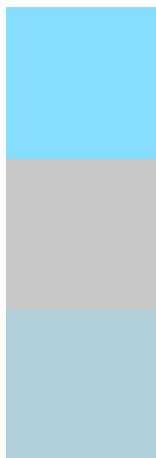
Deuteranomaly

59.9347, 63.3922, 103.6848

Tritanomaly

52.2715, 63.8019, 96.7488

Monochromacy



Original Color

53.8981, 64.0838, 104.1364

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.0035, 58.9702, 75.6066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8981, 64.0838, 104.1364 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, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.8981, 64.0838, 104.1364 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, 221, 255) }
```


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

```
.border{ border-color:rgb(135, 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(135, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8981, 64.0838, 104.1364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 221, 255) }
```

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

```
.background{ background-color: rgb(135,  
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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