

Converting Colors

XYZ(51.5753, 60.2834,
103.5253)

Have a look what the booklet for
XYZ(51.5753, 60.2834, 103.5253)
contains.

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Color

**XYZ(51.4566, 60.1384,
103.5036)**

Conversions

Conversions Part 1

Format	Color
Hex	83D6FF
RGB	131, 214, 255
RGB Percent	51%, 84%, 100%
CMY	0.4863, 0.1608, 0.0000
CMYK	0.49, 0.16, 0.00, 0.00
HSL	200°, 100%, 76%
HSV	200°, 49%, 100%
XYZ	51.4566, 60.1384, 103.5036
YIQ	193.8570, -62.6290, -4.8450

Conversions

Conversions Part 2

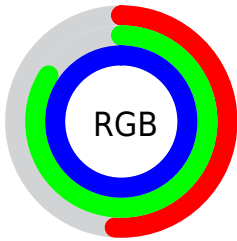
Format	Color
RYB	131, 181, 255
Decimal	8640255
CIELab	81.91, -14.53, -27.83
CIELCh	82, 31.399, 242.433
Yxy	60.1384, 0.2392, 0.2796
Android (android.graphics.Color)	4286830335 (0xFF83D6FF)
YUV	193.8570, 30.1435, -55.1256
Hunter-Lab	77.5490, -17.2693, -24.8493

Details

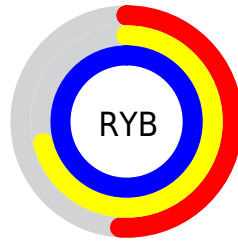
The XYZ color **51.4566, 60.1384, 103.5036** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.0900, 52.4047, 28.4227**, and the grayscale version is **51.0492, 53.7078, 58.4878**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **25.1170, 30.1756, 57.9267** is the 20% darker color. If you saturate the color by 10%, you get **45.9037, 54.1909, 102.6482**, and if you desaturate by 10%, it is **58.0951, 66.8121, 104.4418**.

Distribution



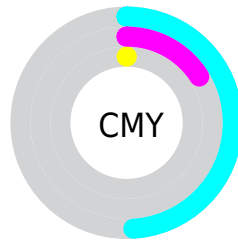
- Red (51%)
- Green (84%)
- Blue (100%)



- Red (51%)
- Yellow (71%)
- Blue (100%)



- Cyan (49%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4566, 60.1384, 103.5036 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 51.4566, 60.1384, 103.5036 by changing the saturation by 10% instead.

■ 51.4566, 60.1384,
103.5036

■ 51.4566, 60.1384,
103.5036

382.6937,
425.1077, 592.7104

■ 36.7946, 43.5302,
78.5966

■ 91.5083, 105.0304,
168.0574

■ 25.2215, 30.3013,
58.0449

■ 117.6288,
134.0830, 208.5413

■ 16.3717, 20.0674,
41.4298

■ 148.2995,
168.0525, 255.0545

■ 9.8801, 12.4441,
28.3328

183.8858,
207.3234, 308.0157

■ 5.3812, 7.0469,
18.3355

224.7530,
252.2799, 367.8433

■ 2.5096, 3.4914,
11.0192

271.2664,

■ 0.9001, 1.3934,

303.3065, 434.9560

5.9654

323.7916,
360.7877, 509.7722

■ 0.0000, 0.2118,
2.7556

■ 0.0000, 0.0000,
0.9712

■ 51.4566, 60.1384,
103.5036

■ 51.4566, 60.1384,
103.5036

■ 45.9037, 54.1909,
102.6482

■ 58.0951, 66.8121,
104.4418

■ 41.3570, 48.9223,
101.8710

■ 65.8810, 74.2424,
105.4657

■ 37.7339, 44.2889,
101.1676

■ 74.8770, 82.4652,
106.5787

■ 34.9345, 40.2365,
100.5329

■ 85.1398, 91.5121,
107.7840

■ 32.8174, 36.6898, 95.0500, 100.0000,
99.9599 108.9000

■ 32.5542, 36.2284,
99.8847

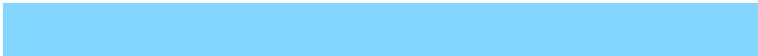
Harmonies

Analogous

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



47.0539, 60.1384, 87.0957



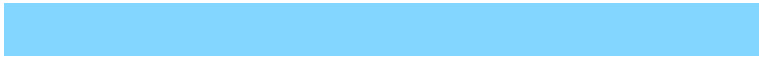
51.4566, 60.1384, 103.5036



57.7031, 60.1384, 109.1886

Triad

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



51.4566, 60.1384, 103.5036



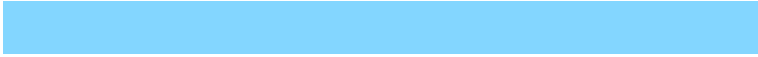
70.8769, 60.1384, 63.9416



50.5869, 60.1384, 39.2301

Complementary

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



51.4566, 60.1384, 103.5036



60.0900, 52.4047, 28.4227

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.



56.6199, 60.1384, 35.3395



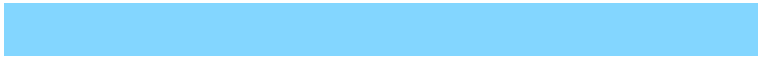
51.4566, 60.1384, 103.5036



68.6178, 60.1384, 47.7747

Square

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



51.4566, 60.1384, 103.5036



69.2314, 60.1384, 83.8866



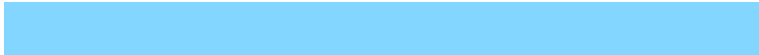
63.2695, 60.1384, 38.1381



46.5798, 60.1384, 49.9853

Rectangle

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



51.4566, 60.1384, 103.5036



62.1677, 60.1384, 105.3918



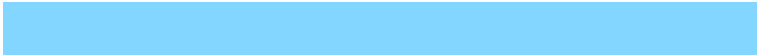
63.2695, 60.1384, 38.1381



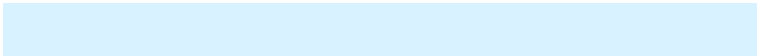
52.4282, 60.1384, 37.1816

Sweetspot

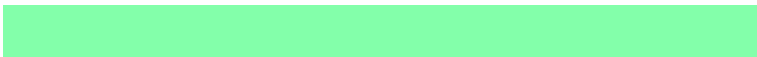
The Sweet Spot groups the original color and five complimentary colors.



51.4583, 60.1406, 103.5039



78.4484, 85.6482, 107.0048



52.4022, 79.2582, 50.7009



16.3423, 17.9332, 22.8501



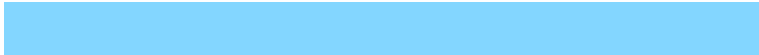
0.0000, 0.0000, 0.0000



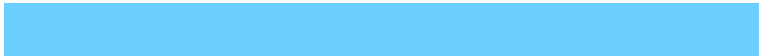
20.3446, 21.4041, 23.3091

Same Dimension

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



51.4583, 60.1406, 103.5039



46.2207, 54.5425, 102.6994



38.9233, 35.0704, 99.3255



18.0191, 19.4099, 23.0467



17.1528, 19.2153, 52.2395



1.7703, 2.0713, 5.1198

Inverse Universe

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



61.4951, 42.3493, 68.5537



57.6608, 36.2573, 62.4152



74.2691, 80.7629, 33.1490



18.5223, 18.1922, 21.3676



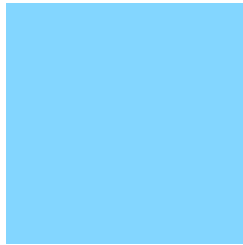
25.4462, 12.6678, 21.5318



2.5282, 1.2536, 2.3628

Previews

White Background



This preview shows how the XYZ color 51.4566, 60.1384, 103.5036 looks on a white background.

Color Contrast Check

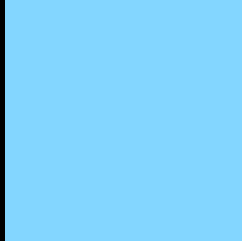
Large Text (above 18pt) WCAG AA × Fail

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 51.4566, 60.1384, 103.5036 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

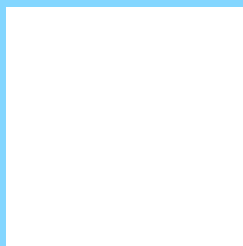
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4566, 60.1384, 103.5036

Background



This preview shows how black text looks on a background with the XYZ color 51.4566, 60.1384, 103.5036.

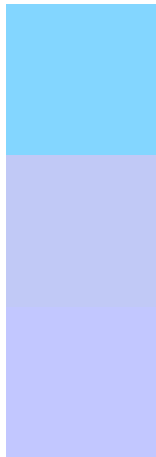


This preview shows how white text looks on a background with the XYZ color 51.4566, 60.1384,

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

51.4566, 60.1384, 103.5036

Protanopia

59.5135, 59.7646, 95.5878

Deuteranopia

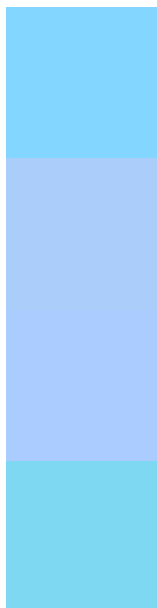
60.7216, 59.5362, 102.8990



Tritanopia

48.2657, 59.9838, 87.6314

Trichromacy



Original Color

51.4566, 60.1384, 103.5036

Protanomaly

55.7478, 59.5282, 98.1744

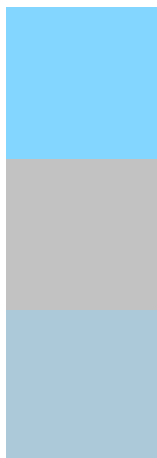
Deuteranomaly

56.4375, 59.0637, 103.0336

Tritanomaly

49.3353, 60.0346, 92.9920

Monochromacy



Original Color

51.4566, 60.1384, 103.5036

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.0759, 55.3891, 73.0176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4566, 60.1384, 103.5036 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(131, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 214, 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(131, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.4566, 60.1384, 103.5036 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(131, 214, 255) }
```


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

```
.border{ border-color:rgb(131, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4566, 60.1384, 103.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 214, 255) }
```

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

```
.background{ background-color: rgb(131,  
214, 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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