

Converting Colors

XYZ(67.0797, 67.1383,
184.6500)

Have a look what the booklet for
XYZ(67.0797, 67.1383, 184.6500)
contains.

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Color

**XYZ(51.6591, 60.9989,
103.6590)**

Conversions

Conversions Part 1

Format	Color
Hex	81D8FF
RGB	129, 216, 255
RGB Percent	51%, 85%, 100%
CMY	0.4941, 0.1529, 0.0000
CMYK	0.49, 0.15, 0.00, 0.00
HSL	199°, 100%, 75%
HSV	199°, 49%, 100%
XYZ	51.6591, 60.9989, 103.6590
YIQ	194.4330, -64.3710, -6.3150

Conversions

Conversions Part 2

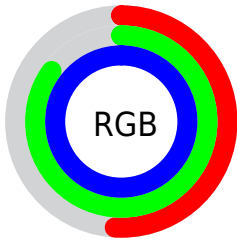
Format	Color
R _Y B	129, 180, 255
Decimal	8509695
CIE Lab	82.38, -16.00, -27.13
CIE LCh	82, 31.498, 239.470
Yxy	60.9989, 0.2388, 0.2820
Android (android.graphics.Color)	4286699775 (0xFF81D8FF)
YUV	194.4330, 29.8595, -57.3847
Hunter-Lab	78.1018, -18.6124, -24.0202

Details

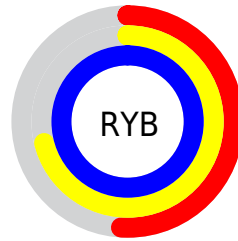
The XYZ color **51.6591, 60.9989, 103.6590** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.2058, 50.8510, 27.4655**, and the grayscale version is **51.3922, 54.0686, 58.8807**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **25.3218, 30.7959, 58.0357** is the 20% darker color. If you saturate the color by 10%, you get **46.2846, 55.2995, 102.8422**, and if you desaturate by 10%, it is **58.1005, 67.3952, 104.5541**.

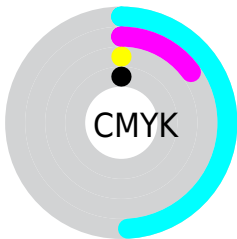
Distribution



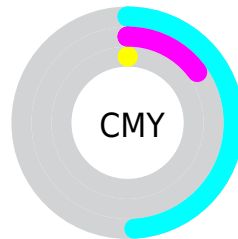
- Red (51%)
- Green (85%)
- Blue (100%)



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



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6591, 60.9989, 103.6590 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 51.6591, 60.9989, 103.6590 by changing the saturation by 10% instead.

51.6591, 60.9989,
103.6590

51.6591, 60.9989,
103.6590

383.4647,
428.2700, 593.2077

36.9566, 44.2243,
78.7260

91.8055, 106.2773,
168.2720

25.3474, 30.8469,
58.1505

117.9801,
135.5500, 208.7891

16.4662, 20.4823,
41.5142

148.7094,
169.7574, 255.3380

9.9476, 12.7461,
28.3984

184.3589,
209.2839, 308.3372

5.4262, 7.2539,
18.3845

225.2938,
254.5141, 368.2052

2.5367, 3.6214,
11.0541

271.8795,

0.9138, 1.4641,

305.8322, 435.3606

5.9886

324.4813,
363.6227, 510.2219

■ 0.0000, 0.2633,
2.7695

■ 0.0000, 0.0000,
0.9782

■ 51.6591, 60.9989,
103.6590

■ 51.6591, 60.9989,
103.6590

■ 46.2846, 55.2995,
102.8422

■ 58.1005, 67.3952,
104.5541

■ 41.8973, 50.2498,
102.0987

■ 65.6708, 74.5182,
105.5300

■ 38.4137, 45.8062,
101.4246

■ 74.4327, 82.4036,
106.5902

■ 35.7329, 41.9145,
100.8147

■ 84.4431, 91.0826,
107.7378

■ 33.7005, 38.4930,
100.2614

95.0500, 100.0000,
108.9000

■ 33.5901, 38.3002,
100.2300

Harmonies

Analogous

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



47.4412, 60.9989, 86.3348



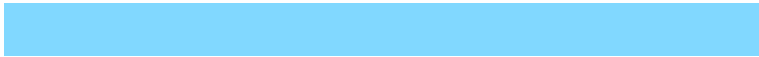
51.6591, 60.9989, 103.6590



57.8583, 60.9989, 110.7130

Triad

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



51.6591, 60.9989, 103.6590



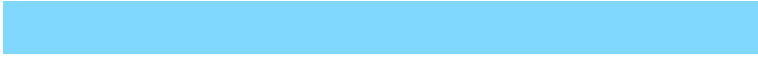
71.8802, 60.9989, 66.7601



51.8509, 60.9989, 39.1311

Complementary

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



51.6591, 60.9989, 103.6590



59.2058, 50.8510, 27.4655

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.



58.0971, 60.9989, 35.8630



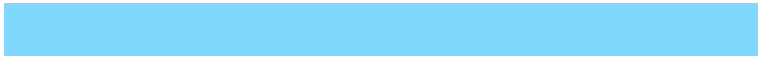
51.6591, 60.9989, 103.6590



69.9688, 60.9989, 49.8262

Square

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



51.6591, 60.9989, 103.6590



69.8335, 60.9989, 87.0424



64.7914, 60.9989, 39.3720



47.5458, 60.9989, 49.3387

Rectangle

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



51.6591, 60.9989, 103.6590



62.3915, 60.9989, 107.7670



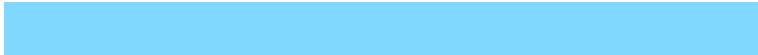
64.7914, 60.9989, 39.3720



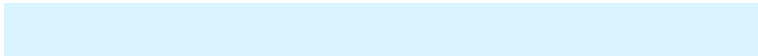
53.7770, 60.9989, 37.2834

Sweetspot

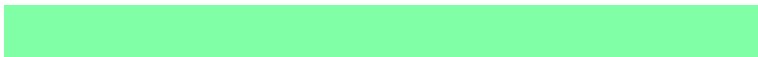
The Sweet Spot groups the original color and five complimentary colors.



51.6609, 61.0011, 103.6593



78.6899, 86.1312, 107.0853



51.7710, 78.9703, 48.9783



16.4007, 18.0500, 22.8695



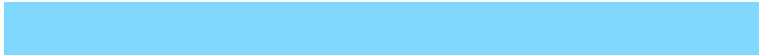
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.6609, 61.0011, 103.6593



46.4849, 55.5200, 102.8742



38.6934, 35.0662, 99.3368



18.0527, 19.4770, 23.0579



17.6904, 20.2905, 52.4186



1.8197, 2.1701, 5.1362

Inverse Universe

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



61.4861, 41.9200, 69.8189



57.6846, 35.8472, 63.8340



73.4443, 79.3281, 32.2117



18.5392, 18.1990, 21.4568



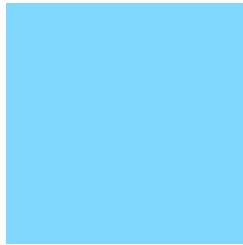
25.7175, 12.7763, 22.9607



2.5531, 1.2636, 2.4941

Previews

White Background



This preview shows how the XYZ color 51.6591, 60.9989, 103.6590 looks on a white background.

Color Contrast Check

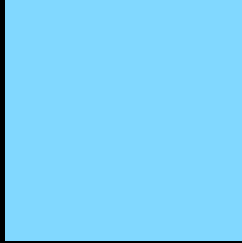
Large Text (above 18pt) WCAG AA × Fail

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 51.6591, 60.9989, 103.6590 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

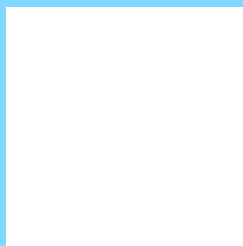
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6591, 60.9989, 103.6590

Background



This preview shows how black text looks on a background with the XYZ color 51.6591, 60.9989, 103.6590.



This preview shows how white text looks on a background with the XYZ color 51.6591, 60.9989,

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

51.6591, 60.9989, 103.6590

Protanopia

60.1076, 60.4357, 94.8835

Deuteranopia

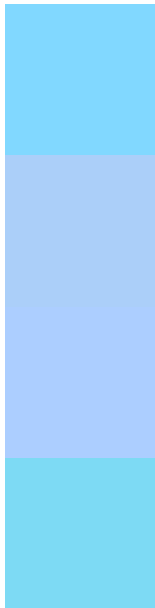
61.4692, 60.2643, 103.0001



Tritanopia

48.7860, 60.9884, 89.3214

Trichromacy



Original Color

51.6591, 60.9989, 103.6590

Protanomaly

56.2063, 60.1231, 98.2651

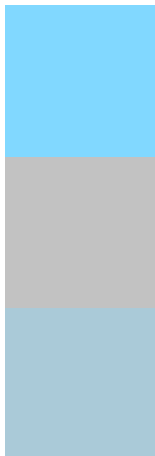
Deuteranomaly

57.1346, 60.1333, 103.2033

Tritanomaly

49.8580, 61.0344, 94.7410

Monochromacy



Original Color

51.6591, 60.9989, 103.6590

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.0928, 55.7450, 73.0854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6591, 60.9989, 103.6590 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(129, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 216, 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(129, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.6591, 60.9989, 103.6590 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(129, 216, 255) }
```


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

```
.border{ border-color:rgb(129, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6591, 60.9989, 103.6590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 216, 255) }
```

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

```
.background{ background-color: rgb(129,  
216, 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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