

Converting Colors

XYZ(51.3864, 61.5012,
100.9798)

Have a look what the booklet for
XYZ(51.3864, 61.5012, 100.9798)
contains.

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Color

**XYZ(51.5442, 61.7603,
101.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	80DAFC
RGB	128, 218, 252
RGB Percent	50%, 85%, 99%
CMY	0.4980, 0.1451, 0.0118
CMYK	0.49, 0.13, 0.00, 0.01
HSL	196°, 95%, 75%
HSV	196°, 49%, 99%
XYZ	51.5442, 61.7603, 101.2997
YIQ	194.9660, -64.5540, -8.5060

Conversions

Conversions Part 2

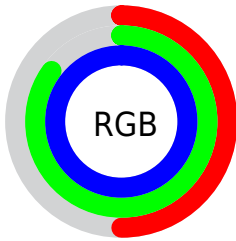
Format	Color
RYB	128, 180, 252
Decimal	8444668
CIELab	82.79, -18.06, -24.92
CIELCh	83, 30.780, 234.073
Yxy	61.7603, 0.2402, 0.2878
Android (android.graphics.Color)	4286634748 (0xFF80DAFC)
YUV	194.9660, 28.1178, -58.7292
Hunter-Lab	78.5877, -20.4537, -21.4135

Details

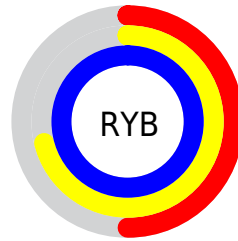
The XYZ color **51.5442, 61.7603, 101.2997** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.9630, 48.0963, 26.7053**, and the grayscale version is **51.7187, 54.4122, 59.2548**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **25.2623, 31.3278, 56.3452** is the 20% darker color. If you saturate the color by 10%, you get **46.4598, 56.5357, 100.5604**, and if you desaturate by 10%, it is **57.6484, 67.6241, 102.1109**.

Distribution



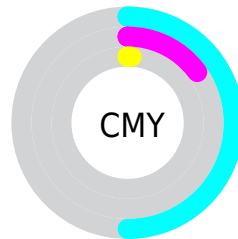
- Red (50%)
- Green (85%)
- Blue (99%)



- Red (50%)
- Yellow (71%)
- Blue (99%)



- Cyan (49%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (50%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5442, 61.7603, 101.2997 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 51.5442, 61.7603, 101.2997 by changing the saturation by 10% instead.

51.5442, 61.7603,
101.2997

51.5442, 61.7603,
101.2997

383.0274,
431.0562, 585.6339

36.8647, 44.8390,
76.7635

91.6369, 107.3790,
165.0095

25.2759, 31.3307,
56.5484

117.7808,
136.8453, 205.0203

16.4126, 20.8508,
40.2358

148.4769,
171.2620, 251.0263

9.9093, 13.0150,
27.4073

184.0905,
211.0136, 303.4460

5.4006, 7.4389,
17.6442

224.9870,
256.4844, 362.6981

2.5214, 3.7380,
10.5281

271.5317,

0.9060, 1.5281,

308.0588, 429.2011

5.6403

324.0901,
366.1213, 503.3735

■ 0.0000, 0.3084,
2.5624

■ 0.0000, 0.0000,
0.8729

■ 51.5442, 61.7603,
101.2997

■ 51.5442, 61.7603,
101.2997

■ 46.4598, 56.5357,
100.5604

■ 57.6484, 67.6241,
102.1109

■ 42.3173, 51.9049,
99.8849

■ 64.8310, 74.1548,
102.9929

■ 39.0368, 47.8267,
99.2706

■ 73.1530, 81.3864,
103.9501

■ 36.5210, 44.2496,
98.7127

■ 82.6691, 89.3482,
104.9854

■ 34.6237, 41.0967,
98.2041

■ 93.4300, 98.0679,
106.1013

■ 34.4850, 40.8566,
98.1651

■ 94.5709, 99.8084,
106.3771

Harmonies

Analogous

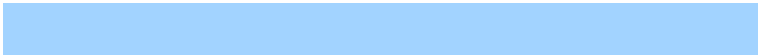
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8287, 61.7603, 83.2407



51.5442, 61.7603, 101.2997



57.3965, 61.7603, 110.4184

Triad

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



51.5442, 61.7603, 101.2997



72.2955, 61.7603, 71.0820



53.6604, 61.7603, 39.1497

Complementary

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



51.5442, 61.7603, 101.2997



56.9630, 48.0963, 26.7053

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.



60.0257, 61.7603, 37.1112



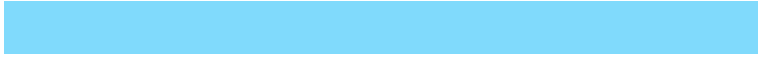
51.5442, 61.7603, 101.2997



71.1082, 61.7603, 53.4447

Square

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



51.5442, 61.7603, 101.2997



69.6248, 61.7603, 90.9869



66.4921, 61.7603, 41.8337



48.9846, 61.7603, 48.0427

Rectangle

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



51.5442, 61.7603, 101.2997



61.8514, 61.7603, 109.1715



66.4921, 61.7603, 41.8337



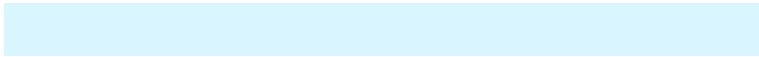
55.6600, 61.7603, 37.7196

Sweetspot

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



51.5462, 61.7626, 101.3012



79.0961, 86.9436, 107.2207



50.1531, 76.7870, 45.9292



16.4990, 18.2467, 22.9023



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.



51.5462, 61.7626, 101.3012



47.8060, 58.1621, 103.3145



38.5204, 35.7110, 96.9592



17.3398, 18.7565, 22.0918



18.0929, 21.5414, 51.1779



1.7641, 2.1719, 4.7694

Inverse Universe

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



60.5206, 41.1977, 71.0942



58.3514, 36.1139, 67.3454



70.4482, 75.0666, 31.2004



17.7781, 17.4386, 20.6871



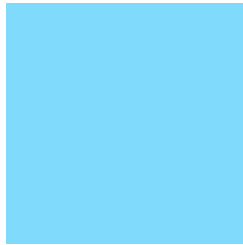
25.4245, 12.5855, 24.7415



2.3994, 1.1835, 2.5264

Previews

White Background



This preview shows how the XYZ color 51.5442, 61.7603, 101.2997 looks on a white background.

Color Contrast Check

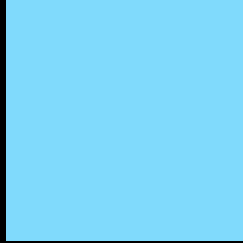
Large Text (above 18pt) WCAG AA × Fail

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 51.5442, 61.7603, 101.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

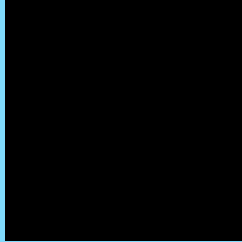
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5442, 61.7603, 101.2997

Background



This preview shows how black text looks on a background with the XYZ color 51.5442, 61.7603, 101.2997.



This preview shows how white text looks on a background with the XYZ color 51.5442, 61.7603,

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

51.5442, 61.7603, 101.2997

Protanopia

60.4089, 60.9930, 92.5933

Deuteranopia

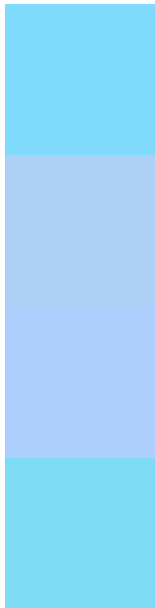
62.4898, 61.1354, 103.1145



Tritanopia

49.1942, 61.5704, 90.1804

Trichromacy



Original Color

51.5442, 61.7603, 101.2997

Protanomaly

56.2037, 60.5362, 95.9112

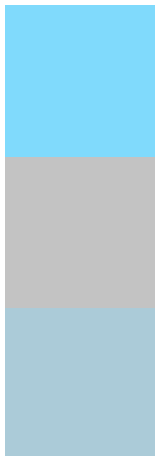
Deuteranomaly

57.4358, 60.6656, 102.4484

Tritanomaly

49.9666, 61.4941, 94.0300

Monochromacy



Original Color

51.5442, 61.7603, 101.2997

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.5452, 56.3277, 73.1741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5442, 61.7603, 101.2997 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(128, 218, 252)` looks like.

```
.text, #text, p{  
    color:rgb(128, 218, 252)  
}
```

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(128, 218, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 218, 252) }
```

Border

The CSS property to change the border of an element to XYZ 51.5442, 61.7603, 101.2997 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(128, 218, 252) }
```


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

```
.border{ border-color:rgb(128, 218, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 218, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 218, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 218, 252);  
box-shadow:4px 4px 4px 4px rgb(128, 218,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5442, 61.7603, 101.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 218, 252) }
```

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

```
.background{ background-color: rgb(128,  
218, 252) }
```

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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