

Converting Colors

XYZ(51.5804, 61.7368,
103.8056)

Have a look what the booklet for
XYZ(51.5804, 61.7368, 103.8056)
contains.

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Color

**XYZ(51.5789, 61.7228,
103.8029)**

Conversions

Conversions Part 1

Format	Color
Hex	7DDAFF
RGB	125, 218, 255
RGB Percent	49%, 85%, 100%
CMY	0.5098, 0.1451, 0.0000
CMYK	0.51, 0.15, 0.00, 0.00
HSL	197°, 100%, 75%
HSV	197°, 51%, 100%
XYZ	51.5789, 61.7228, 103.8029
YIQ	194.4110, -67.3050, -8.2090

Conversions

Conversions Part 2

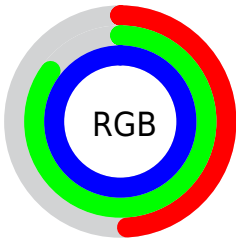
Format	Color
RYB	125, 179, 255
Decimal	8248063
CIELab	82.77, -17.88, -26.55
CIElCh	83, 32.014, 236.042
Yxy	61.7228, 0.2376, 0.2843
Android (android.graphics.Color)	4286438143 (0xFF7DDAFF)
YUV	194.4110, 29.8704, -60.8734
Hunter-Lab	78.5639, -20.2976, -23.3425

Details

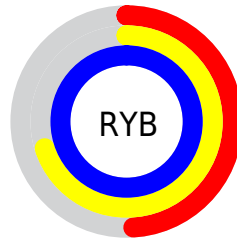
The XYZ color **51.5789, 61.7228, 103.8029** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.8630, 48.5826, 25.7319**, and the grayscale version is **51.3805, 54.0563, 58.8673**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **25.2768, 31.2957, 58.1345** is the 20% darker color. If you saturate the color by 10%, you get **46.4823, 56.3637, 103.0371**, and if you desaturate by 10%, it is **57.7169, 67.7437, 104.6416**.

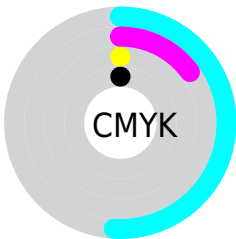
Distribution



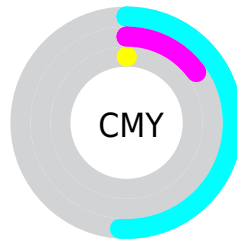
- Red (49%)
- Green (85%)
- Blue (100%)



- Red (49%)
- Yellow (70%)
- Blue (100%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5789, 61.7228, 103.8029 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 51.5789, 61.7228, 103.8029 by changing the saturation by 10% instead.

■ 51.5789, 61.7228,
103.8029

■ 51.5789, 61.7228,
103.8029

383.1595,
430.9192, 593.6680

■ 36.8924, 44.8088,
78.8458

■ 91.6878, 107.3248,
168.4708

■ 25.2975, 31.3068,
58.2484

■ 117.8410,
136.7815, 209.0186

■ 16.4288, 20.8326,
41.5924

■ 148.5471,
171.1880, 255.6004

■ 9.9208, 13.0017,
28.4591

184.1716,
210.9285, 308.6347

■ 5.4084, 7.4297,
18.4300

225.0797,
256.3875, 368.5401

■ 2.5260, 3.7323,
11.0865

271.6368,

■ 0.9084, 1.5249,

307.9493, 435.7351

6.0101

324.2083,
365.9985, 510.6382

■ 0.0000, 0.3062,
2.7824

■ 0.0000, 0.0000,
0.9846

■ 51.5789, 61.7228,
103.8029

■ 51.5789, 61.7228,
103.8029

■ 46.4823, 56.3637,
103.0371

■ 57.7169, 67.7437,
104.6416

■ 42.3461, 51.6191,
102.3394

■ 64.9587, 74.4562,
105.5555

■ 39.0851, 47.4450,
101.7055

■ 73.3678, 81.8959,
106.5483

■ 36.5955, 43.7862,
101.1305

■ 83.0014, 90.0936,
107.6229

■ 34.8654, 40.8507,
100.6551

93.9126, 99.0782,
108.7820

95.0500, 100.0000,
108.9000

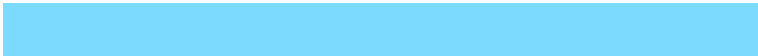
Harmonies

Analogous

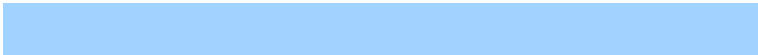
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.5596, 61.7228, 85.2581



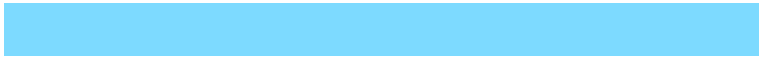
51.5789, 61.7228, 103.8029



57.7568, 61.7228, 112.5553

Triad

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



51.5789, 61.7228, 103.8029



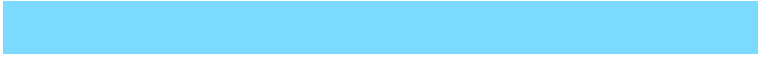
72.8846, 61.7228, 69.8561



53.0448, 61.7228, 38.5782

Complementary

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



51.5789, 61.7228, 103.8029



57.8630, 48.5826, 25.7319

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.



59.5840, 61.7228, 36.0403



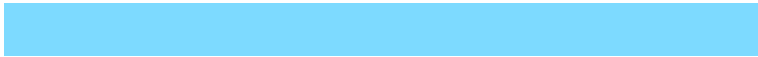
51.5789, 61.7228, 103.8029



71.3787, 61.7228, 51.9002

Square

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



51.5789, 61.7228, 103.8029



70.3425, 61.7228, 90.6799



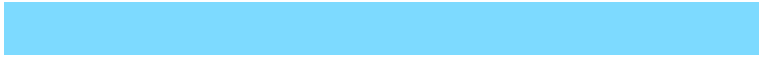
66.3735, 61.7228, 40.4137



48.3583, 61.7228, 48.1784

Rectangle

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



51.5789, 61.7228, 103.8029



62.3996, 61.7228, 110.6125



66.3735, 61.7228, 40.4137



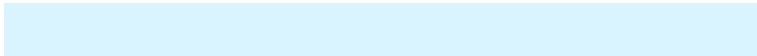
55.0837, 61.7228, 36.9627

Sweetspot

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



51.5807, 61.7250, 103.8033



78.9760, 86.7034, 107.1807



50.7256, 78.4833, 46.5822



16.4699, 18.1885, 22.8926



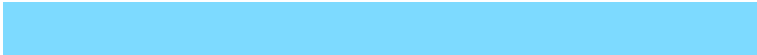
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.5807, 61.7250, 103.8033



46.4721, 56.3525, 103.0355



37.9278, 34.4192, 99.2523



18.0924, 19.5564, 23.0711



18.3515, 21.6127, 52.6390



1.8800, 2.2907, 5.1563

Inverse Universe

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



61.2298, 40.9910, 71.0169



57.4686, 34.9588, 65.1694



72.3660, 77.5886, 30.5662



18.5593, 18.2070, 21.5623



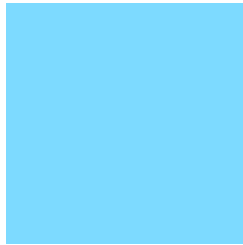
26.0512, 12.9098, 24.7179



2.5835, 1.2758, 2.6544

Previews

White Background



This preview shows how the XYZ color 51.5789, 61.7228, 103.8029 looks on a white background.

Color Contrast Check

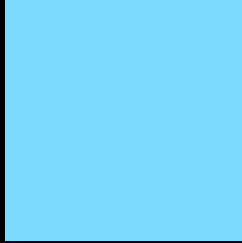
Large Text (above 18pt) WCAG AA × Fail

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 51.5789, 61.7228, 103.8029 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

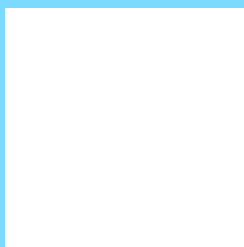
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5789, 61.7228, 103.8029

Background



This preview shows how black text looks on a background with the XYZ color 51.5789, 61.7228, 103.8029.

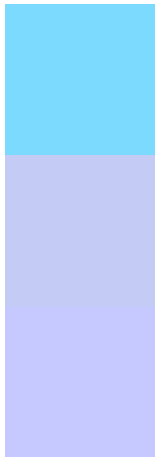


This preview shows how white text looks on a background with the XYZ color 51.5789, 61.7228,

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

51.5789, 61.7228, 103.8029

Protanopia

60.6023, 61.0402, 94.9741

Deuteranopia

62.2253, 60.9991, 103.1021



Tritanopia

49.0442, 61.8668, 91.0179

Trichromacy



Original Color

51.5789, 61.7228, 103.8029

Protanomaly

56.2323, 60.4974, 98.3359

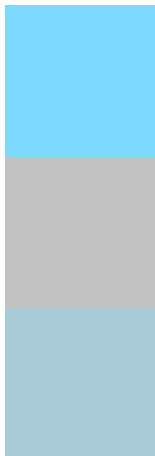
Deuteranomaly

57.1574, 60.5036, 103.2736

Tritanomaly

49.9598, 61.8439, 95.6901

Monochromacy



Original Color

51.5789, 61.7228, 103.8029

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.1128, 56.1048, 73.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5789, 61.7228, 103.8029 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(125, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 218, 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(125, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5789, 61.7228, 103.8029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

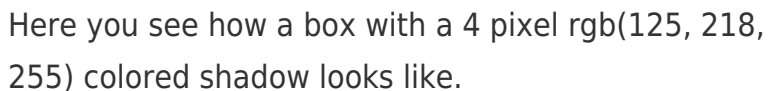
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 218, 255) }
```


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

```
.border{ border-color:rgb(125, 218, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5789, 61.7228, 103.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 218, 255) }
```

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

```
.background{ background-color: rgb(125,  
218, 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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