

Converting Colors

XYZ(62.1825, 65.3022,
154.0773)

Have a look what the booklet for
XYZ(62.1825, 65.3022, 154.0773)
contains.

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Color

**XYZ(52.5975, 61.4826,
103.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	87D8FF
RGB	135, 216, 255
RGB Percent	53%, 85%, 100%
CMY	0.4706, 0.1529, 0.0000
CMYK	0.47, 0.15, 0.00, 0.00
HSL	199°, 100%, 76%
HSV	199°, 47%, 100%
XYZ	52.5975, 61.4826, 103.7029
YIQ	196.2270, -60.7950, -5.0430

Conversions

Conversions Part 2

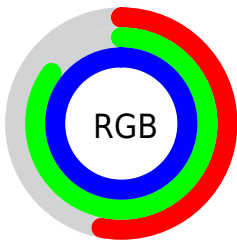
Format	Color
R_{YB}	135, 183, 255
Decimal	8902911
CIE _{Lab}	82.64, -14.66, -26.71
CIE _{LCh}	83, 30.472, 241.237
Yxy	61.4826, 0.2415, 0.2823
Android (android.graphics.Color)	4287092991 (0xFF87D8FF)
YUV	196.2270, 28.9751, -53.6961
Hunter-Lab	78.4108, -17.4823, -23.5269

Details

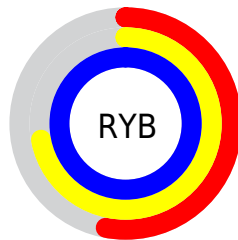
The XYZ color **52.5975, 61.4826, 103.7029** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.7499, 53.2822, 30.0062**, and the grayscale version is **52.4648, 55.1971, 60.1096**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **25.9184, 31.1035, 58.0636** is the 20% darker color. If you saturate the color by 10%, you get **46.9058, 55.4769, 102.8437**, and if you desaturate by 10%, it is **59.3822, 68.2134, 104.6445**.

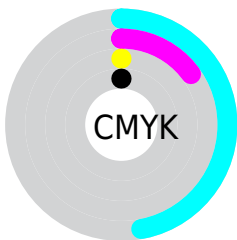
Distribution



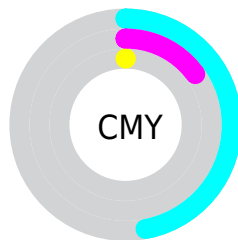
- Red (53%)
- Green (85%)
- Blue (100%)



- Red (53%)
- Yellow (72%)
- Blue (100%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5975, 61.4826, 103.7029 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 52.5975, 61.4826, 103.7029 by changing the saturation by 10% instead.

■ 52.5975, 61.4826,
103.7029

■ 52.5975, 61.4826,
103.7029

387.0252,
430.0413, 593.3482

■ 37.7077, 44.6148,
78.7625

■ 93.1809, 106.9774,
168.3327

■ 25.9321, 31.1541,
58.1804

■ 119.6052,
136.3731, 208.8591

■ 16.9053, 20.7162,
41.5380

■ 150.6050,
170.7136, 255.4181

■ 10.2619, 12.9167,
28.4169

186.5458,
210.3833, 308.4280

■ 5.6365, 7.3712,
18.3984

227.7928,
255.7665, 368.3074

■ 2.6639, 3.6953,
11.0640

274.7115,

■ 0.9786, 1.5046,

307.2476, 435.4749

5.9952

327.6672,
365.2111, 510.3489

■ 0.0000, 0.2920,
2.7734

■ 0.0000, 0.0000,
0.9801

■ 52.5975, 61.4826,
103.7029

■ 52.5975, 61.4826,
103.7029

■ 46.9058, 55.4769,
102.8437

■ 59.3822, 68.2134,
104.6445

■ 42.2289, 50.1497,
102.0619

■ 67.3205, 75.6988,
105.6709

■ 38.4862, 45.4584,
101.3536

■ 76.4742, 83.9742,
106.7858

■ 35.5810, 41.3506,
100.7139

■ 86.8995, 93.0708,
107.9921

■ 33.3899, 37.7604,
100.1364

95.0500, 100.0000,
108.9000

■ 32.8270, 36.7741,
99.9757

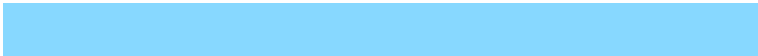
Harmonies

Analogous

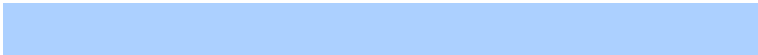
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3391, 61.4826, 87.3926



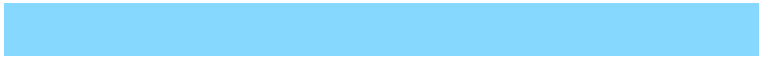
52.5975, 61.4826, 103.7029



58.7091, 61.4826, 109.7496

Triad

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



52.5975, 61.4826, 103.7029



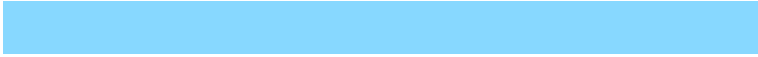
71.9208, 61.4826, 66.1702



52.1607, 61.4826, 40.6493

Complementary

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



52.5975, 61.4826, 103.7029



60.7499, 53.2822, 30.0062

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.



58.1665, 61.4826, 37.0278



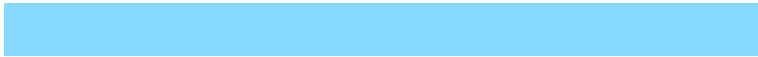
52.5975, 61.4826, 103.7029



69.8524, 61.4826, 49.9634

Square

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



52.5975, 61.4826, 103.7029



70.1584, 61.4826, 85.7951



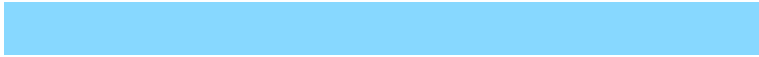
64.6942, 61.4826, 40.0947



48.1004, 61.4826, 51.0788

Rectangle

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



52.5975, 61.4826, 103.7029



63.1079, 61.4826, 106.3983



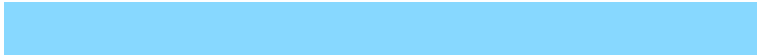
64.6942, 61.4826, 40.0947



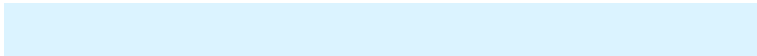
54.0032, 61.4826, 38.6931

Sweetspot

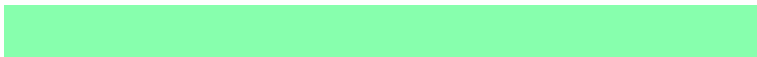
The Sweet Spot groups the original color and five complimentary colors.



52.5993, 61.4848, 103.7032



79.5236, 86.6663, 107.1447



53.2957, 79.6886, 52.1094



16.5580, 18.1417, 22.8790



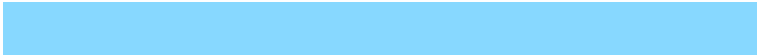
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.5993, 61.4848, 103.7032



47.4581, 56.0789, 102.9307



40.1002, 36.4867, 99.5369



18.0281, 19.4278, 23.0497



17.2945, 19.4986, 52.2867



1.7834, 2.0974, 5.1241

Inverse Universe

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



62.2998, 43.5474, 70.0900



58.5144, 37.4758, 64.2067



74.7527, 81.2878, 34.6738



18.5268, 18.1940, 21.3914



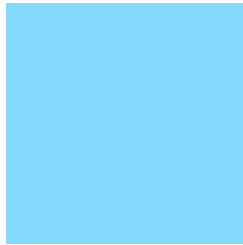
25.5177, 12.6964, 21.9083



2.5348, 1.2563, 2.3975

Previews

White Background



This preview shows how the XYZ color 52.5975, 61.4826, 103.7029 looks on a white background.

Color Contrast Check

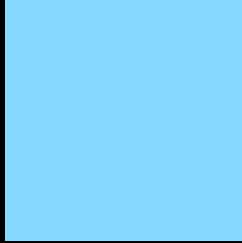
Large Text (above 18pt) WCAG AA × Fail

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 52.5975, 61.4826, 103.7029 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

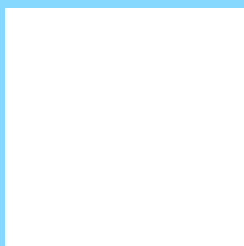
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5975, 61.4826, 103.7029

Background



This preview shows how black text looks on a background with the XYZ color 52.5975, 61.4826, 103.7029.



This preview shows how white text looks on a background with the XYZ color 52.5975, 61.4826,

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

52.5975, 61.4826, 103.7029

Protanopia

60.4962, 60.9678, 95.7682

Deuteranopia

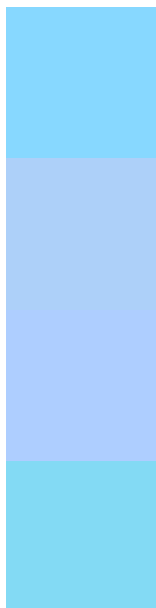
61.9626, 60.8636, 103.0898



Tritanopia

49.6708, 61.4446, 89.3628

Trichromacy



Original Color

52.5975, 61.4826, 103.7029

Protanomaly

56.8883, 60.8355, 98.3666

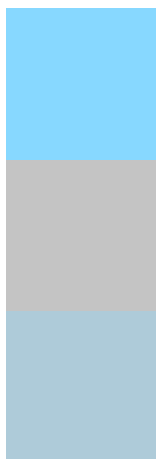
Deuteranomaly

57.5769, 60.3613, 103.2240

Tritanomaly

50.7606, 61.4998, 94.7832

Monochromacy



Original Color

52.5975, 61.4826, 103.7029

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.3359, 56.7203, 73.8881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5975, 61.4826, 103.7029 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.5975, 61.4826, 103.7029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

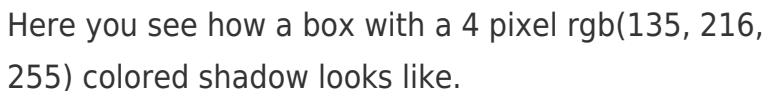
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 216, 255) }
```


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

```
.border{ border-color:rgb(135, 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(135, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5975, 61.4826, 103.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 216, 255) }
```

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

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