

Converting Colors

XYZ(52.8561, 57.3307,
102.8879)

Have a look what the booklet for
XYZ(52.8561, 57.3307, 102.8879)
contains.

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Color

**XYZ(52.7797, 57.1780,
102.8624)**

Conversions

Conversions Part 1

Format	Color
Hex	99CCFF
RGB	153, 204, 255
RGB Percent	60%, 80%, 100%
CMY	0.4000, 0.2000, 0.0000
CMYK	0.40, 0.20, 0.00, 0.00
HSL	210°, 100%, 80%
HSV	210°, 40%, 100%
XYZ	52.7797, 57.1780, 102.8624
YIQ	194.5650, -46.7670, 5.0490

Conversions

Conversions Part 2

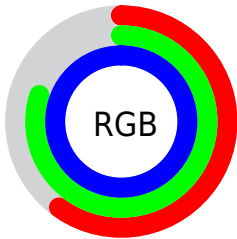
Format	Color
R _Y B	153, 187, 255
Decimal	10079487
CIE Lab	80.28, -4.03, -30.24
CIE LCh	80, 30.511, 262.418
Yxy	57.1780, 0.2480, 0.2687
Android (android.graphics.Color)	4288269567 (0xFF99CCFF)
YUV	194.5650, 29.7945, -36.4525
Hunter-Lab	75.6161, -7.7361, -27.7223

Details

The XYZ color **52.7797, 57.1780, 102.8624** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.5832, 66.7462, 39.4075**, and the grayscale version is **51.4631, 54.1432, 58.9619**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **26.0292, 28.4313, 57.5420** is the 20% darker color. If you saturate the color by 10%, you get **45.5639, 49.1432, 101.6919**, and if you desaturate by 10%, it is **61.2753, 66.2433, 104.1644**.

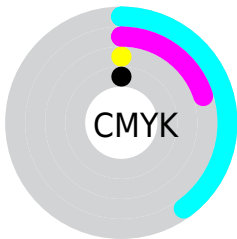
Distribution



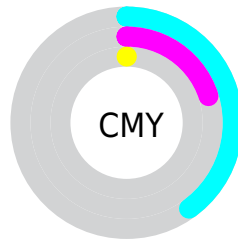
- Red (60%)
- Green (80%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7797, 57.1780, 102.8624 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 52.7797, 57.1780, 102.8624 by changing the saturation by 10% instead.

■ 52.7797, 57.1780,
102.8624

■ 52.7797, 57.1780,
102.8624

387.7141,
414.1160, 590.6562

■ 37.8537, 41.1482,
78.0630

■ 93.4476, 100.7249,
167.1713

■ 26.0459, 28.4349,
57.6090

■ 119.9201,
129.0107, 207.5180

■ 16.9908, 18.6537,
41.0818

150.9723,
162.1506, 253.8841

■ 10.3232, 11.4203,
28.0628

186.9694,
200.5291, 306.6883

■ 5.6777, 6.3503,
18.1336

228.2767,
244.5305, 366.3490

■ 2.6889, 3.0592,
10.8755

275.2597,

■ 0.9915, 1.1627,

294.5391, 433.2849

5.8700

328.2837,
350.9395, 507.9145

■ 0.0000, 0.0310,
2.6987

■ 0.0000, 0.0000,
0.9428

■ 52.7797, 57.1780,
102.8624

■ 52.7797, 57.1780,
102.8624

■ 45.5639, 49.1432,
101.6919

■ 61.2753, 66.2433,
104.1644

■ 39.5509, 42.0868,
100.6468

■ 71.1117, 76.3753,
105.6017

■ 34.6623, 35.9605,
99.7219

■ 82.3516, 87.6158,
107.1789

■ 30.8075, 30.7079,
98.9112

95.0500, 100.0000,
108.9000

■ 27.8788, 26.2639,
98.2078

■ 25.7049, 22.5296,
97.6016

■ 25.7045, 22.5290,
97.6015

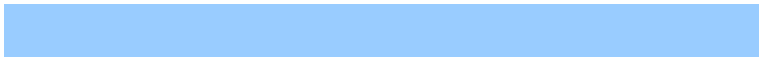
Harmonies

Analogous

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



47.3583, 57.1780, 93.6173



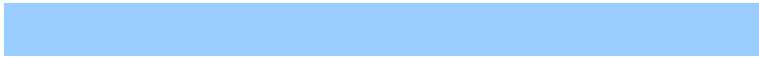
52.7797, 57.1780, 102.8624



59.0466, 57.1780, 99.6892

Triad

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



52.7797, 57.1780, 102.8624



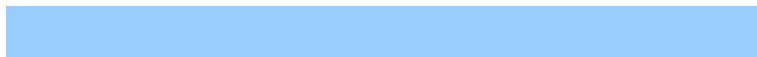
66.1969, 57.1780, 50.0616



45.3895, 57.1780, 43.5794

Complementary

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



52.7797, 57.1780, 102.8624



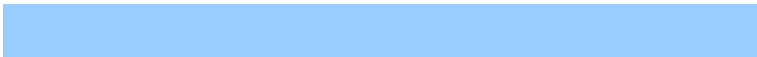
68.5832, 66.7462, 39.4075

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.



49.9017, 57.1780, 35.6092



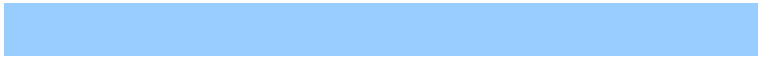
52.7797, 57.1780, 102.8624



61.9893, 57.1780, 38.8223

Square

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



52.7797, 57.1780, 102.8624



67.1148, 57.1780, 66.8973



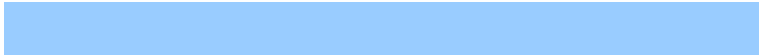
55.9429, 57.1780, 34.0516



43.3090, 57.1780, 57.8366

Rectangle

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



52.7797, 57.1780, 102.8624



62.8390, 57.1780, 91.1946



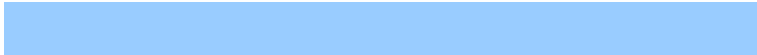
55.9429, 57.1780, 34.0516



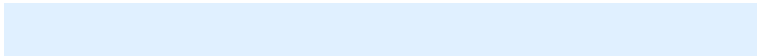
46.6549, 57.1780, 40.1973

Sweetspot

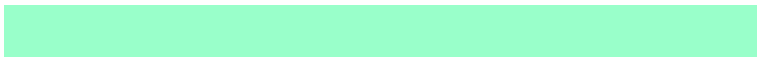
The Sweet Spot groups the original color and five complimentary colors.



52.7814, 57.1801, 102.8627



79.9866, 85.2752, 106.8518



59.5942, 82.5713, 68.8619



16.7968, 17.9307, 22.8256



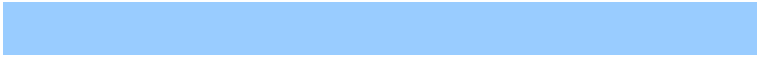
0.0000, 0.0000, 0.0000



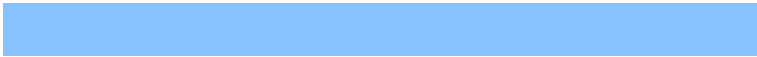
20.3446, 21.4041, 23.3091

Same Dimension

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



52.7814, 57.1801, 102.8627



46.9075, 50.6693, 101.9156



42.8599, 37.3371, 99.5556



17.7534, 18.8785, 22.9582



13.5805, 12.0705, 51.0487



1.4315, 1.3937, 5.0068

Inverse Universe

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



63.5314, 48.4037, 63.1233



59.2882, 41.8119, 55.8678



82.2102, 94.0002, 43.9498



18.3882, 18.1386, 20.6614



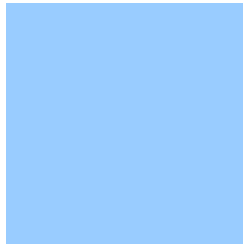
23.6430, 11.9465, 12.0364



2.3572, 1.1852, 1.4622

Previews

White Background



This preview shows how the XYZ color 52.7797, 57.1780, 102.8624 looks on a white background.

Color Contrast Check

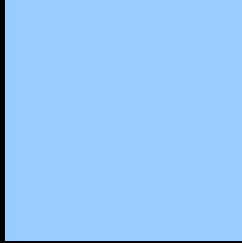
Large Text (above 18pt) WCAG AA × Fail

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 52.7797, 57.1780, 102.8624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

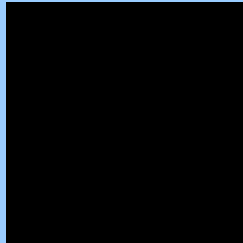
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

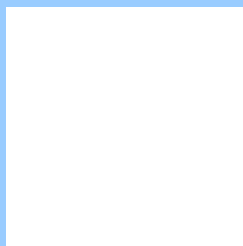
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7797, 57.1780, 102.8624

Background



This preview shows how black text looks on a background with the XYZ color 52.7797, 57.1780, 102.8624.



This preview shows how white text looks on a background with the XYZ color 52.7797, 57.1780,

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

52.7797, 57.1780, 102.8624

Protanopia

57.0028, 56.6963, 98.3816

Deuteranopia

58.0586, 56.8150, 102.5141



Tritanopia

48.2050, 57.1117, 80.4345

Trichromacy



Original Color

52.7797, 57.1780, 102.8624

Protanomaly

55.2277, 56.7594, 100.1403

Deuteranomaly

55.9233, 56.7221, 102.6087

Tritanomaly

49.8116, 57.0360, 88.5045

Monochromacy



Original Color

52.7797, 57.1780, 102.8624

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.5409, 55.1012, 73.5647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7797, 57.1780, 102.8624 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(153, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 204, 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(153, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.7797, 57.1780, 102.8624 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(153, 204, 255) }
```


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

```
.border{ border-color:rgb(153, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7797, 57.1780, 102.8624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 204, 255) }
```

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

```
.background{ background-color: rgb(153,  
204, 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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