

Converting Colors

XYZ(58.6349, 65.1217,
104.0871)

Have a look what the booklet for
XYZ(58.6349, 65.1217, 104.0871)
contains.

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Color

**XYZ(58.5887, 64.9527,
104.0569)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D9FF
RGB	166, 217, 255
RGB Percent	65%, 85%, 100%
CMY	0.3490, 0.1490, 0.0000
CMYK	0.35, 0.15, 0.00, 0.00
HSL	206°, 100%, 83%
HSV	206°, 35%, 100%
XYZ	58.5887, 64.9527, 104.0569
YIQ	206.0830, -42.5940, 1.0060

Conversions

Conversions Part 2

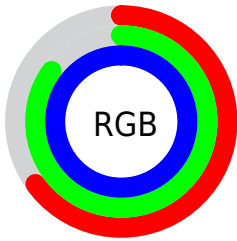
Format	Color
R _Y B	166, 198, 255
Decimal	10934783
CIE Lab	84.46, -7.49, -23.79
CIE LCh	84, 24.944, 252.536
Yxy	64.9527, 0.2574, 0.2854
Android (android.graphics.Color)	4289124863 (0xFFA6D9FF)
YUV	206.0830, 24.1161, -35.1528
Hunter-Lab	80.5932, -11.2744, -20.1362

Details

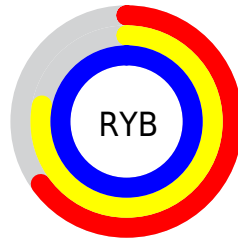
The XYZ color **58.5887, 64.9527, 104.0569** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.7161, 67.1989, 45.3744**, and the grayscale version is **58.5909, 61.6422, 67.1284**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **29.6689, 33.2974, 58.2894** is the 20% darker color. If you saturate the color by 10%, you get **51.0498, 57.0383, 102.9266**, and if you desaturate by 10%, it is **67.3762, 73.7886, 105.2993**.

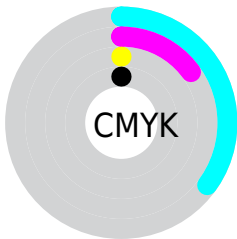
Distribution



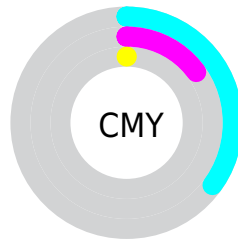
- Red (65%)
- Green (85%)
- Blue (100%)



- Red (65%)
- Yellow (78%)
- Blue (100%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5887, 64.9527, 104.0569 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 58.5887, 64.9527, 104.0569 by changing the saturation by 10% instead.

■ 58.5887, 64.9527,
104.0569

■ 58.5887, 64.9527,
104.0569

409.2946,
442.6220, 594.4800

■ 42.5272, 47.4227,
79.0572

■ 101.8977,
111.9819, 168.8215

■ 29.7072, 33.3700,
58.4213

■ 129.8759,
142.2498, 209.4236

■ 19.7634, 22.4100,
41.7305

162.5571,
177.5326, 256.0635

■ 12.3305, 14.1585,
28.5663

200.3065,
218.2145, 309.1598

■ 7.0430, 8.2310,
18.5102

243.4897,
264.6800, 369.1311

■ 3.5356, 4.2431,
11.1437

292.4718,

■ 1.4429, 1.8105,

317.3135, 436.3959

6.0482

347.6183,
376.4994, 511.3727

■ 0.2865, 0.4937,
2.8051

■ 0.0000, 0.0000,
0.9960

■ 58.5887, 64.9527,
104.0569

■ 58.5887, 64.9527,
104.0569

■ 51.0498, 57.0383,
102.9266

■ 67.3762, 73.7886,
105.2993

■ 44.6874, 49.9985,
101.9031

■ 77.4679, 83.5753,
106.6564

■ 39.4302, 43.7926,
100.9824

■ 88.9226, 94.3496,
108.1323

■ 35.1958, 38.3725,
100.1594

95.0500, 100.0000,
108.9000

■ 31.8889, 33.6834,
99.4286

■ 29.3928, 29.6591,
98.7833

■ 28.3490, 27.8180,
98.4830

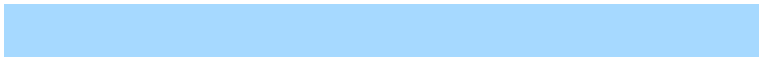
Harmonies

Analogous

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



54.2030, 64.9527, 93.4559



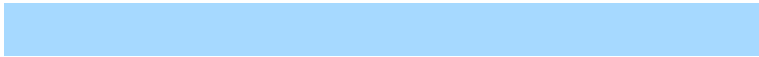
58.5887, 64.9527, 104.0569



64.0804, 64.9527, 104.9392

Triad

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



58.5887, 64.9527, 104.0569



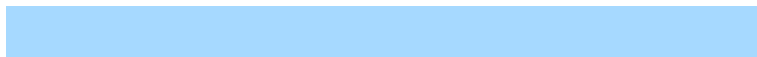
72.7470, 64.9527, 64.2956



54.8000, 64.9527, 50.5122

Complementary

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



58.5887, 64.9527, 104.0569



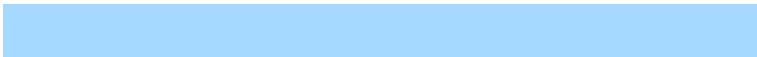
69.7161, 67.1989, 45.3744

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.



59.4487, 64.9527, 44.8921



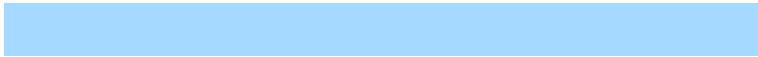
58.5887, 64.9527, 104.0569



69.9356, 64.9527, 52.0114

Square

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



58.5887, 64.9527, 104.0569



72.4824, 64.9527, 80.2946



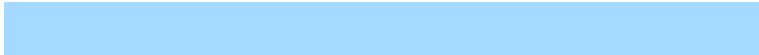
64.9932, 64.9527, 45.3963



52.1073, 64.9527, 61.9430

Rectangle

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



58.5887, 64.9527, 104.0569



67.6533, 64.9527, 99.7366



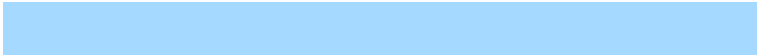
64.9932, 64.9527, 45.3963



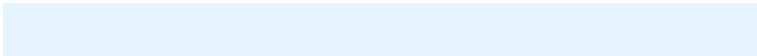
56.1734, 64.9527, 47.9635

Sweetspot

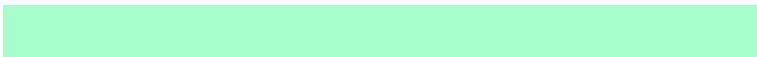
The Sweet Spot groups the original color and five complimentary colors.



58.5905, 64.9552, 104.0573



82.9076, 88.7298, 107.3646



62.2763, 83.9433, 69.4737



17.4045, 18.6702, 22.9363



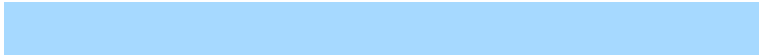
0.0000, 0.0000, 0.0000



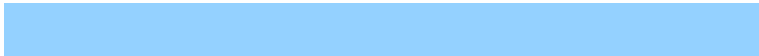
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5905, 64.9552, 104.0573



53.1126, 59.2425, 103.2433



48.8009, 45.3759, 100.7941



17.8673, 19.1062, 22.9961



14.9642, 14.8379, 51.5099



1.5654, 1.6616, 5.0515

Inverse Universe

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



67.4018, 53.5437, 72.4309



63.3569, 47.0255, 66.2377



81.5628, 90.8924, 49.3233



18.4457, 18.1616, 20.9641



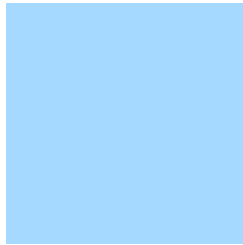
24.3414, 12.2259, 15.7142



2.4248, 1.2123, 1.8182

Previews

White Background



This preview shows how the XYZ color 58.5887, 64.9527, 104.0569 looks on a white background.

Color Contrast Check

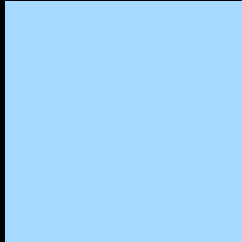
Large Text (above 18pt) WCAG AA × Fail

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 58.5887, 64.9527, 104.0569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

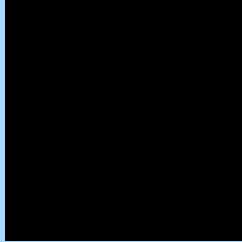
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

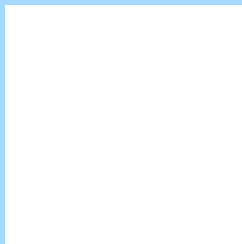
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5887, 64.9527, 104.0569

Background



This preview shows how black text looks on a background with the XYZ color 58.5887, 64.9527, 104.0569.



This preview shows how white text looks on a background with the XYZ color 58.5887, 64.9527,

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

58.5887, 64.9527, 104.0569

Protanopia

64.0119, 64.5079, 98.7000

Deuteranopia

65.8534, 64.6280, 103.6113



Tritanopia

55.9261, 65.0408, 90.4954

Trichromacy



Original Color

58.5887, 64.9527, 104.0569

Protanomaly

61.6931, 64.3724, 100.4403

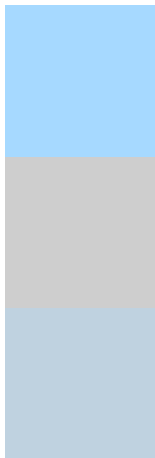
Deuteranomaly

62.8348, 64.5197, 103.7495

Tritanomaly

56.7649, 64.9812, 95.1388

Monochromacy



Original Color

58.5887, 64.9527, 104.0569

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

57.9870, 62.5514, 79.5384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5887, 64.9527, 104.0569 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(166, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 217, 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(166, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.5887, 64.9527, 104.0569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

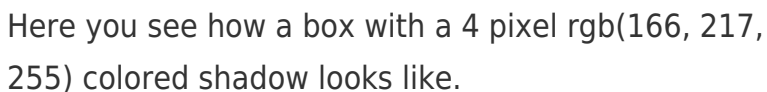
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 217, 255) }
```


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

```
.border{ border-color:rgb(166, 217, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5887, 64.9527, 104.0569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 217, 255) }
```

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

```
.background{ background-color: rgb(166,  
217, 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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