

Converting Colors

XYZ(58.6513, 66.3196,
102.1795)

Have a look what the booklet for
XYZ(58.6513, 66.3196, 102.1795)
contains.

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Color

**XYZ(58.4737, 66.1072,
101.7735)**

Conversions

Conversions Part 1

Format	Color
Hex	A4DCFC
RGB	164, 220, 252
RGB Percent	64%, 86%, 99%
CMY	0.3568, 0.1372, 0.0118
CMYK	0.35, 0.13, 0.00, 0.01
HSL	202°, 94%, 82%
HSV	202°, 35%, 99%
XYZ	58.4737, 66.1072, 101.7735
YIQ	206.9040, -43.6480, -1.9200

Conversions

Conversions Part 2

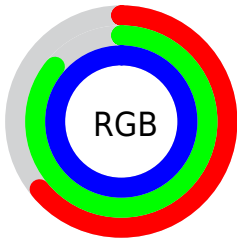
Format	Color
RYB	164, 198, 252
Decimal	10804476
CIELab	85.05, -10.32, -21.32
CIELCh	85, 23.687, 244.184
Yxy	66.1072, 0.2583, 0.2921
Android (android.graphics.Color)	4288994556 (0xFFA4DCFC)
YUV	206.9040, 22.2323, -37.6268
Hunter-Lab	81.3063, -13.9129, -17.3006

Details

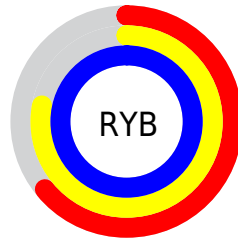
The XYZ color **58.4737, 66.1072, 101.7735** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.5867, 62.8565, 43.7467**, and the grayscale version is **59.1296, 62.2090, 67.7456**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **29.6121, 34.1016, 56.6513** is the 20% darker color. If you saturate the color by 10%, you get **51.4403, 59.0099, 100.7754**, and if you desaturate by 10%, it is **66.6734, 74.0045, 102.8668**.

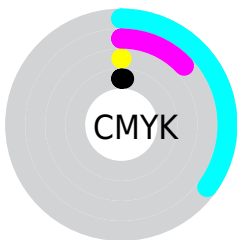
Distribution



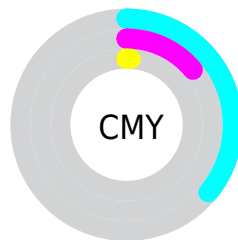
- Red (64%)
- Green (86%)
- Blue (99%)



- Red (64%)
- Yellow (78%)
- Blue (99%)



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (36%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4737, 66.1072, 101.7735 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 58.4737, 66.1072, 101.7735 by changing the saturation by 10% instead.

■ 58.4737, 66.1072,
101.7735

■ 58.4737, 66.1072,
101.7735

408.8742,
446.7602, 587.1590

■ 42.4343, 48.3594,
77.1574

■ 101.7314,
113.6402, 165.6653

■ 29.6341, 34.1116,
56.8697

■ 129.6804,
144.1942, 205.7781

■ 19.7077, 22.9794,
40.4920

162.3300,
179.7857, 251.8935

■ 12.2898, 14.5783,
27.6056

200.0455,
220.7992, 304.4301

■ 7.0150, 8.5239,
17.7922

243.1923,
267.6190, 363.8064

■ 3.5179, 4.4320,
10.6330

292.1358,

■ 1.4332, 1.9180,

320.6294, 430.4410

5.7096

347.2413,
380.2151, 504.7523

■ 0.2797, 0.5592,
2.6034

■ 0.0000, 0.0000,
0.8942

■ 58.4737, 66.1072,
101.7735

■ 58.4737, 66.1072,
101.7735

■ 51.4403, 59.0099,
100.7754

■ 66.6734, 74.0045,
102.8668

■ 45.5038, 52.6692,
99.8644

■ 76.0913, 82.7270,
104.0540

■ 40.5965, 47.0485,
99.0382

■ 86.7837, 92.3082,
105.3398

■ 36.6399, 42.1040,
98.2923

■ 94.5709, 99.8084,
106.3771

■ 33.5428, 37.7854,
97.6220

■ 31.1937, 34.0318,
97.0213

■ 30.2059, 32.2984,
96.7388

Harmonies

Analogous

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



54.7288, 66.1072, 89.7662



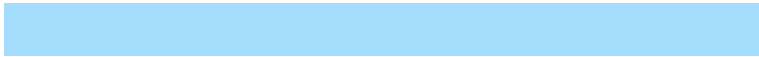
58.4737, 66.1072, 101.7735



63.5838, 66.1072, 105.4085

Triad

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



58.4737, 66.1072, 101.7735



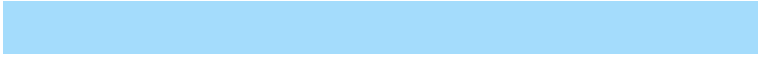
73.6210, 66.1072, 69.8588



57.2476, 66.1072, 50.3226

Complementary

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



58.4737, 66.1072, 101.7735



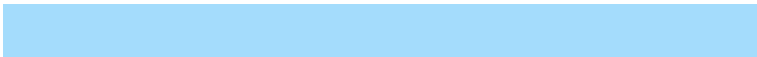
66.5867, 62.8565, 43.7467

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.



62.0880, 66.1072, 46.4906



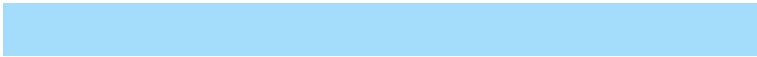
58.4737, 66.1072, 101.7735



71.7000, 66.1072, 56.7127

Square

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



58.4737, 66.1072, 101.7735



72.5198, 66.1072, 85.5362



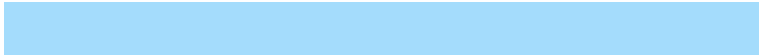
67.4036, 66.1072, 48.6542



54.0495, 66.1072, 59.9367

Rectangle

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



58.4737, 66.1072, 101.7735



67.1266, 66.1072, 102.2194



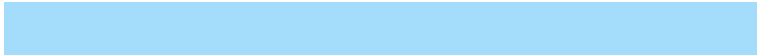
67.4036, 66.1072, 48.6542



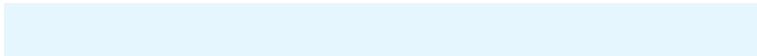
58.7263, 66.1072, 48.3825

Sweetspot

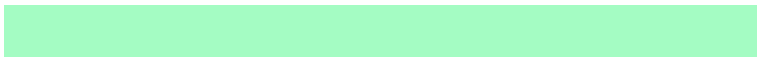
The Sweet Spot groups the original color and five complimentary colors.



58.4758, 66.1098, 101.7750



83.3959, 89.7065, 107.5274



59.9495, 81.4458, 64.0739



17.5228, 18.9068, 22.9758



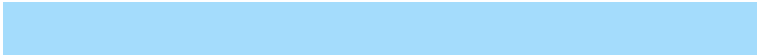
0.0000, 0.0000, 0.0000



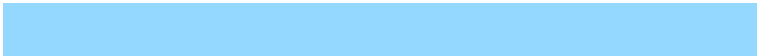
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4758, 66.1098, 101.7750



54.8151, 62.6474, 103.8108



48.6438, 46.4459, 98.4977



17.2041, 18.4850, 22.0465



15.8796, 17.1147, 50.4401



1.5715, 1.7866, 4.7052

Inverse Universe

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



66.3403, 52.4155, 74.3336



64.2162, 47.3693, 70.7629



77.6550, 84.9931, 47.4362



17.7096, 17.4112, 20.3263



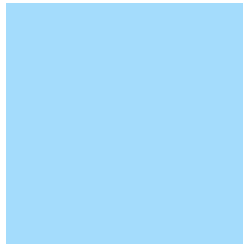
24.3073, 12.1386, 18.8585



2.3021, 1.1446, 2.0144

Previews

White Background



This preview shows how the XYZ color 58.4737, 66.1072, 101.7735 looks on a white background.

Color Contrast Check

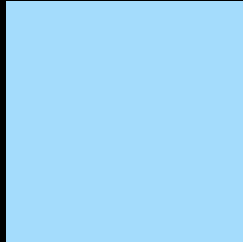
Large Text (above 18pt) WCAG AA × Fail

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 58.4737, 66.1072, 101.7735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

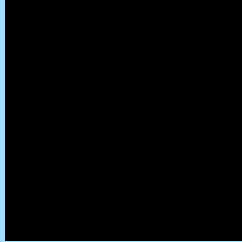
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4737, 66.1072, 101.7735

Background



This preview shows how black text looks on a background with the XYZ color 58.4737, 66.1072, 101.7735.

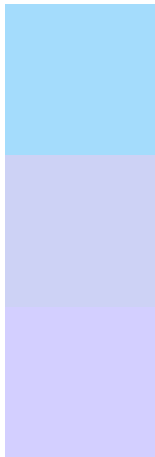


This preview shows how white text looks on a background with the XYZ color 58.4737, 66.1072,

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

58.4737, 66.1072, 101.7735

Protanopia

64.7049, 65.6649, 95.6505

Deuteranopia

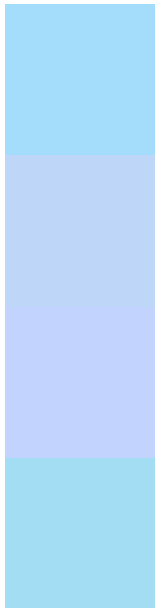
67.2268, 65.6945, 103.7448



Tritanopia

56.5474, 66.1109, 92.2184

Trichromacy



Original Color

58.4737, 66.1072, 101.7735

Protanomaly

62.2250, 65.8176, 98.2314

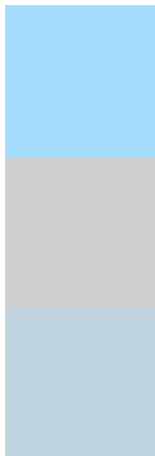
Deuteranomaly

63.6810, 65.7121, 103.0933

Tritanomaly

57.0859, 65.9259, 95.3042

Monochromacy



Original Color

58.4737, 66.1072, 101.7735

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.3486, 63.4910, 78.9917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4737, 66.1072, 101.7735 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(164, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(164, 220, 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(164, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 220, 252) }
```

Border

The CSS property to change the border of an element to XYZ 58.4737, 66.1072, 101.7735 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(164, 220, 252) }
```


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

```
.border{ border-color:rgb(164, 220, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 220, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 220, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 220, 252);  
box-shadow:4px 4px 4px 4px rgb(164, 220,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4737, 66.1072, 101.7735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 220, 252) }
```

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

```
.background{ background-color: rgb(164,  
220, 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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