

Converting Colors

XYZ(58.2390, 63.0427,
103.7067)

Have a look what the booklet for
XYZ(58.2390, 63.0427, 103.7067)
contains.

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Color

**XYZ(58.1710, 62.8530,
103.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD4FF
RGB	170, 212, 255
RGB Percent	67%, 83%, 100%
CMY	0.3333, 0.1686, 0.0000
CMYK	0.33, 0.17, 0.00, 0.00
HSL	210°, 100%, 83%
HSV	210°, 33%, 100%
XYZ	58.1710, 62.8530, 103.6736
YIQ	204.3440, -38.8350, 4.4690

Conversions

Conversions Part 2

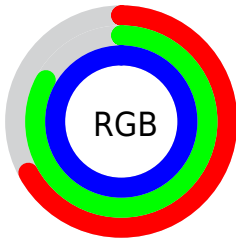
Format	Color
R _Y B	170, 198, 255
Decimal	11195647
CIE Lab	83.36, -3.78, -25.44
CIE LCh	83, 25.719, 261.542
Yxy	62.8530, 0.2589, 0.2797
Android (android.graphics.Color)	4289385727 (0xFFAAD4FF)
YUV	204.3440, 24.9734, -30.1197
Hunter-Lab	79.2799, -7.7668, -22.0371

Details

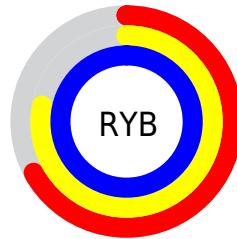
The XYZ color **58.1710, 62.8530, 103.6736** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.2902, 71.7507, 48.0712**, and the grayscale version is **57.4781, 60.4714, 65.8534**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **29.4901, 32.1758, 58.0823** is the 20% darker color. If you saturate the color by 10%, you get **50.0873, 54.0897, 102.4082**, and if you desaturate by 10%, it is **67.5851, 72.6875, 105.0757**.

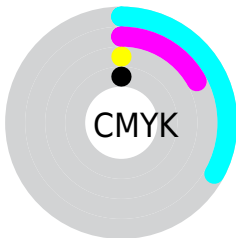
Distribution



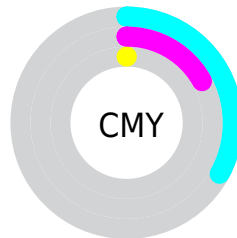
- Red (67%)
- Green (83%)
- Blue (100%)



- Red (67%)
- Yellow (78%)
- Blue (100%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1710, 62.8530, 103.6736 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 58.1710, 62.8530, 103.6736 by changing the saturation by 10% instead.

■ 58.1710, 62.8530,
103.6736

■ 58.1710, 62.8530,
103.6736

407.7664,
435.0358, 593.2544

■ 42.1899, 45.7223,
78.7381

■ 101.2934,
108.9574, 168.2922

■ 29.4418, 32.0267,
58.1605

129.1654,
138.6999, 208.8124

■ 19.5612, 21.3819,
41.5221

161.7317,
173.4151, 255.3646

■ 12.1829, 13.4035,
28.4045

199.3578,
213.4874, 308.3674

■ 6.9415, 7.7070,
18.3891

242.4090,
259.3013, 368.2392

■ 3.4715, 3.9080,
11.0574

291.2506,

■ 1.4077, 1.6222,

311.2410, 435.3986

5.9908

346.2479,
369.6911, 510.2642

■ 0.2617, 0.3725,
2.7708

■ 0.0000, 0.0000,
0.9788

■ 58.1710, 62.8530,
103.6736

■ 58.1710, 62.8530,
103.6736

■ 50.0873, 54.0897,
102.4082

■ 67.5851, 72.6875,
105.0757

■ 43.2604, 46.3465,
101.2734

■ 78.3870, 83.6269,
106.6179

■ 37.6176, 39.5781,
100.2644

■ 90.6371, 95.7124,
108.3050

■ 33.0755, 33.7319,
99.3754

95.0500, 100.0000,
108.9000

■ 29.5383, 28.7484,
98.5999

■ 26.8906, 24.5579,
97.9306

■ 25.5117, 22.1433,
97.5372

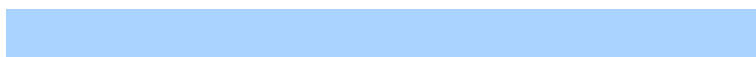
Harmonies

Analogous

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



53.2935, 62.8530, 95.5201



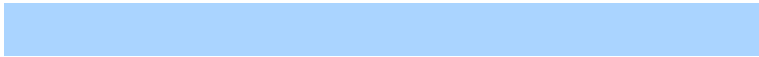
58.1710, 62.8530, 103.6736



63.7794, 62.8530, 101.2942

Triad

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



58.1710, 62.8530, 103.6736



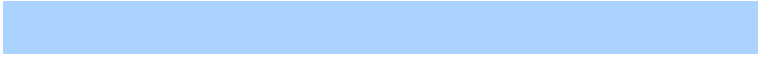
70.3196, 62.8530, 57.7312



51.7026, 62.8530, 51.0013

Complementary

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



58.1710, 62.8530, 103.6736



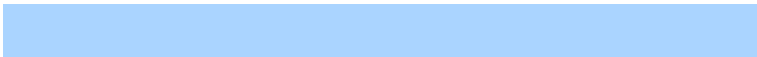
72.2902, 71.7507, 48.0712

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.



55.8747, 62.8530, 43.5845



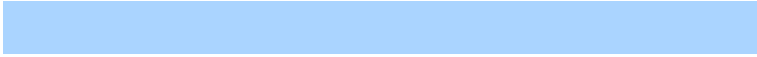
58.1710, 62.8530, 103.6736



66.6862, 62.8530, 47.0269

Square

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



58.1710, 62.8530, 103.6736



71.0296, 62.8530, 73.0702



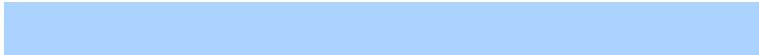
61.3367, 62.8530, 42.2527



49.7147, 62.8530, 64.0025

Rectangle

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



58.1710, 62.8530, 103.6736



67.1650, 62.8530, 94.1942



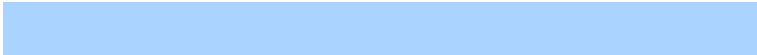
61.3367, 62.8530, 42.2527



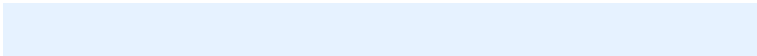
52.8833, 62.8530, 47.8624

Sweetspot

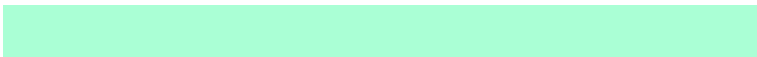
The Sweet Spot groups the original color and five complimentary colors.



58.1728, 62.8554, 103.6740



82.3050, 87.5246, 107.1637



64.2854, 84.8453, 75.6083



17.2587, 18.3786, 22.8877



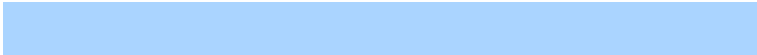
0.0000, 0.0000, 0.0000



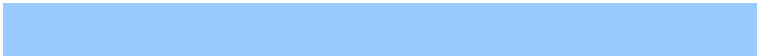
20.3446, 21.4041, 23.3091

Same Dimension

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



58.1728, 62.8554, 103.6740



52.6380, 56.8946, 102.8152



49.0037, 44.5172, 100.6177



17.7443, 18.8603, 22.9551



13.4793, 11.8681, 51.0149



1.4215, 1.3737, 5.0035

Inverse Universe

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



67.4996, 54.7645, 69.3029



63.4588, 48.3735, 62.7441



84.2560, 95.6824, 52.0598



18.3836, 18.1368, 20.6372



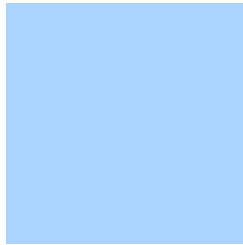
23.5919, 11.9261, 11.7673



2.3521, 1.1832, 1.4357

Previews

White Background



This preview shows how the XYZ color 58.1710, 62.8530, 103.6736 looks on a white background.

Color Contrast Check

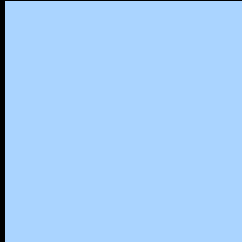
Large Text (above 18pt) WCAG AA × Fail

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 58.1710, 62.8530, 103.6736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

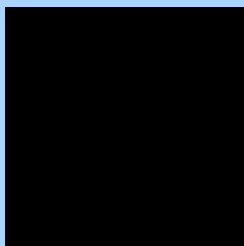
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

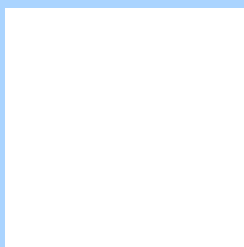
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1710, 62.8530, 103.6736

Background



This preview shows how black text looks on a background with the XYZ color 58.1710, 62.8530, 103.6736.



This preview shows how white text looks on a background with the XYZ color 58.1710, 62.8530,

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

58.1710, 62.8530, 103.6736

Protanopia

62.1126, 62.4351, 99.2200

Deuteranopia

63.7631, 62.4884, 103.3085



Tritanopia

54.7809, 62.9943, 86.3626

Trichromacy



Original Color

58.1710, 62.8530, 103.6736

Protanomaly

60.6201, 62.7048, 101.0037

Deuteranomaly

61.3565, 62.3098, 103.4009

Tritanomaly

56.1140, 63.1672, 92.4541

Monochromacy



Original Color

58.1710, 62.8530, 103.6736

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.3703, 61.1598, 78.5933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1710, 62.8530, 103.6736 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(170, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 212, 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(170, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.1710, 62.8530, 103.6736 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(170, 212, 255) }
```


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

```
.border{ border-color:rgb(170, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1710, 62.8530, 103.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 212, 255) }
```

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

```
.background{ background-color: rgb(170,  
212, 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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