

Converting Colors

XYZ(63.8411, 67.2308,
129.8958)

Have a look what the booklet for
XYZ(63.8411, 67.2308, 129.8958)
contains.

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Color

**XYZ(58.7992, 65.0612,
104.0668)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D9FF
RGB	167, 217, 255
RGB Percent	65%, 85%, 100%
CMY	0.3451, 0.1490, 0.0000
CMYK	0.35, 0.15, 0.00, 0.00
HSL	206°, 100%, 83%
HSV	206°, 35%, 100%
XYZ	58.7992, 65.0612, 104.0668
YIQ	206.3820, -41.9980, 1.2180

Conversions

Conversions Part 2

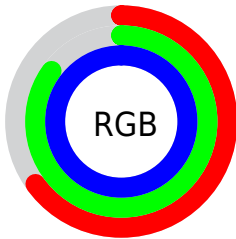
Format	Color
R_{YB}	167, 199, 255
Decimal	11000319
CIE _{Lab}	84.52, -7.22, -23.70
CIE _{LCh}	85, 24.779, 253.064
Yxy	65.0612, 0.2580, 0.2854
Android (android.graphics.Color)	4289190399 (0xFFA7D9FF)
YUV	206.3820, 23.9687, -34.5380
Hunter-Lab	80.6605, -11.0346, -20.0326

Details

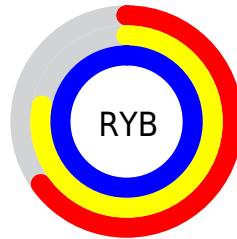
The XYZ color **58.7992, 65.0612, 104.0668** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.0467, 67.7127, 45.9391**, and the grayscale version is **58.7830, 61.8443, 67.3484**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **29.7955, 33.3626, 58.2953** is the 20% darker color. If you saturate the color by 10%, you get **51.1901, 57.0664, 102.9246**, and if you desaturate by 10%, it is **67.6635, 73.9872, 105.3225**.

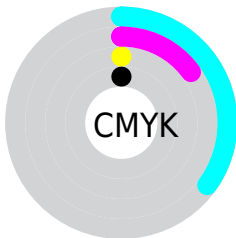
Distribution



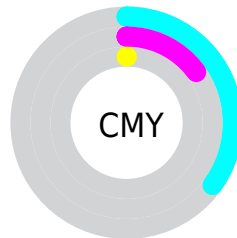
- Red (65%)
- Green (85%)
- Blue (100%)



- 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 58.7992, 65.0612, 104.0668 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 58.7992, 65.0612, 104.0668 by changing the saturation by 10% instead.

■ 58.7992, 65.0612,
104.0668

■ 58.7992, 65.0612,
104.0668

410.0634,
443.0119, 594.5117

■ 42.6972, 47.5107,
79.0655

■ 102.2021,
112.1378, 168.8352

■ 29.8411, 33.4396,
58.4280

■ 130.2337,
142.4328, 209.4394

■ 19.8655, 22.4634,
41.7359

162.9726,
177.7446, 256.0815

■ 12.4050, 14.1978,
28.5705

200.7841,
218.4579, 309.1803

■ 7.0943, 8.2584,
18.5134

244.0335,
264.9568, 369.1541

■ 3.5680, 4.2607,
11.1459

293.0864,

■ 1.4608, 1.8204,

317.6258, 436.4216

6.0497

348.3079,
376.8494, 511.4013

■ 0.2989, 0.4999,
2.8060

■ 0.0000, 0.0000,
0.9965

■ 58.7992, 65.0612,
104.0668

■ 58.7992, 65.0612,
104.0668

■ 51.1901, 57.0664,
102.9246

■ 67.6635, 73.9872,
105.3225

■ 44.7642, 49.9557,
101.8908

■ 77.8385, 83.8739,
106.6945

■ 39.4503, 43.6883,
100.9612

■ 89.3831, 94.7581,
108.1869

■ 35.1664, 38.2162,
100.1307

95.0500, 100.0000,
108.9000

■ 31.8175, 33.4845,
99.3939

■ 29.2881, 29.4272,
98.7441

■ 28.1591, 27.4381,
98.4197

Harmonies

Analogous

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



54.4065, 65.0612, 93.6808



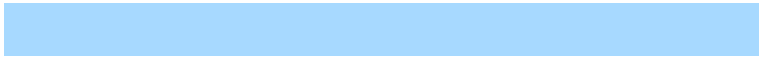
58.7992, 65.0612, 104.0668



64.2682, 65.0612, 104.7549

Triad

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



58.7992, 65.0612, 104.0668



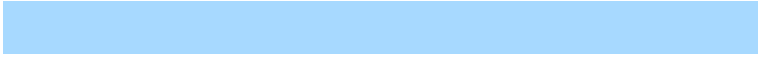
72.7608, 65.0612, 64.1915



54.8732, 65.0612, 50.8787

Complementary

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



58.7992, 65.0612, 104.0668



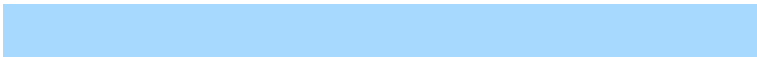
70.0467, 67.7127, 45.9391

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.



59.4712, 65.0612, 45.1717



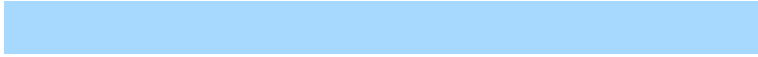
58.7992, 65.0612, 104.0668



69.9188, 65.0612, 52.0518

Square

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



58.7992, 65.0612, 104.0668



72.5542, 65.0612, 80.0660



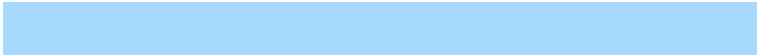
64.9812, 65.0612, 45.5665



52.2339, 65.0612, 62.3525

Rectangle

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



58.7992, 65.0612, 104.0668



67.8099, 65.0612, 99.4798



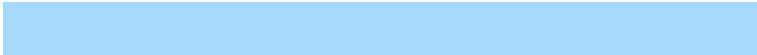
64.9812, 65.0612, 45.5665



56.2288, 65.0612, 48.3044

Sweetspot

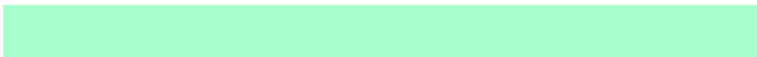
The Sweet Spot groups the original color and five complimentary colors.



58.8010, 65.0637, 104.0671



82.8703, 88.6553, 107.3522



62.5566, 84.0797, 69.8507



17.3955, 18.6521, 22.9333



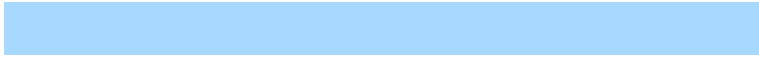
0.0000, 0.0000, 0.0000



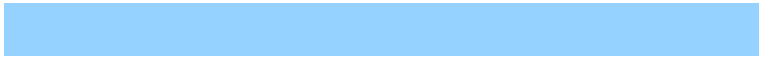
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8010, 65.0637, 104.0671



53.7217, 59.7690, 103.3129



49.1884, 45.8383, 100.8629



17.8597, 19.0910, 22.9936



14.8650, 14.6396, 51.4768



1.5560, 1.6426, 5.0483

Inverse Universe

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



67.5843, 53.9088, 72.4917



63.8332, 47.8626, 66.7529



81.6805, 90.9804, 49.8170



18.4418, 18.1600, 20.9439



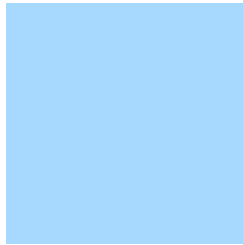
24.2914, 12.2058, 15.4506



2.4200, 1.2104, 1.7931

Previews

White Background



This preview shows how the XYZ color 58.7992, 65.0612, 104.0668 looks on a white background.

Color Contrast Check

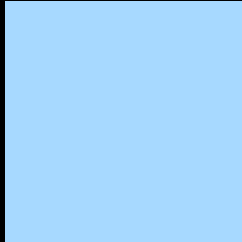
Large Text (above 18pt) WCAG AA × Fail

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 58.7992, 65.0612, 104.0668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

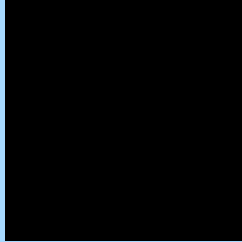
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

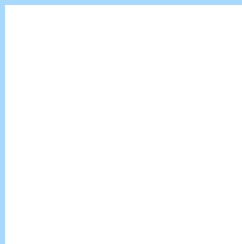
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7992, 65.0612, 104.0668

Background



This preview shows how black text looks on a background with the XYZ color 58.7992, 65.0612, 104.0668.



This preview shows how white text looks on a background with the XYZ color 58.7992, 65.0612,

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

58.7992, 65.0612, 104.0668

Protanopia

64.0119, 64.5079, 98.7000

Deuteranopia

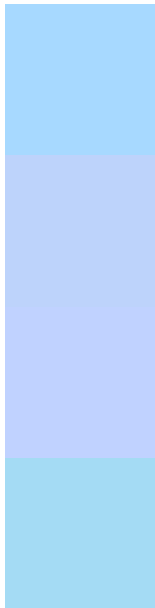
65.8534, 64.6280, 103.6113



Tritanopia

56.1301, 65.1460, 90.5050

Trichromacy



Original Color

58.7992, 65.0612, 104.0668

Protanomaly

61.6931, 64.3724, 100.4403

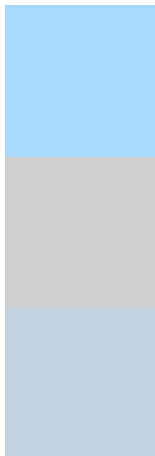
Deuteranomaly

62.8348, 64.5197, 103.7495

Tritanomaly

56.9705, 65.0872, 95.1484

Monochromacy



Original Color

58.7992, 65.0612, 104.0668

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.2394, 62.6815, 79.5502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7992, 65.0612, 104.0668 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(167, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.7992, 65.0612, 104.0668 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(167, 217, 255) }
```


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

```
.border{ border-color:rgb(167, 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(167, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7992, 65.0612, 104.0668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 217, 255) }
```

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

```
.background{ background-color: rgb(167,  
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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