

Converting Colors

XYZ(70.4139, 71.6117,
163.0867)

Have a look what the booklet for
XYZ(70.4139, 71.6117, 163.0867)
contains.

XYZ(59.2755, 67.2491, 104.4640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.2755, 67.2491,
104.4640)**

Conversions

Conversions Part 1

Format	Color
Hex	A3DEFF
RGB	163, 222, 255
RGB Percent	64%, 87%, 100%
CMY	0.3608, 0.1294, 0.0000
CMYK	0.36, 0.13, 0.00, 0.00
HSL	202°, 100%, 82%
HSV	202°, 36%, 100%
XYZ	59.2755, 67.2491, 104.4640
YIQ	208.1210, -45.7570, -2.2450

Conversions

Conversions Part 2

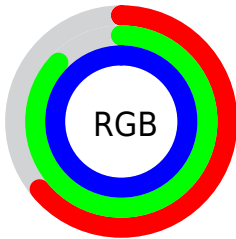
Format	Color
R_{YB}	163, 199, 255
Decimal	10739455
CIE _{Lab}	85.63, -10.87, -22.03
CIE _{LCh}	86, 24.571, 243.733
Yxy	67.2491, 0.2566, 0.2911
Android (android.graphics.Color)	4288929535 (0xFFA3DEFF)
YUV	208.1210, 23.1113, -39.5711
Hunter-Lab	82.0055, -14.4858, -18.1236

Details

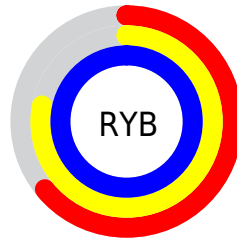
The XYZ color **59.2755, 67.2491, 104.4640** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.5911, 63.3842, 43.3240**, and the grayscale version is **59.9104, 63.0304, 68.6401**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **30.1961, 34.9028, 58.5715** is the 20% darker color. If you saturate the color by 10%, you get **52.2079, 60.0982, 103.4562**, and if you desaturate by 10%, it is **67.5313, 75.2113, 105.5657**.

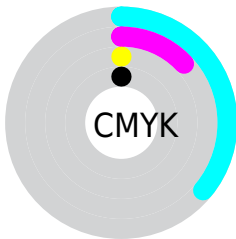
Distribution



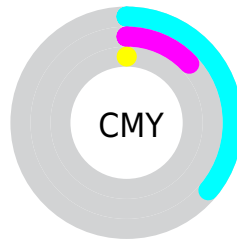
- Red (64%)
- Green (87%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2755, 67.2491, 104.4640 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 59.2755, 67.2491, 104.4640 by changing the saturation by 10% instead.

■ 59.2755, 67.2491,
104.4640

■ 59.2755, 67.2491,
104.4640

411.7998,
450.8309, 595.7803

■ 43.0822, 49.2871,
79.3962

■ 102.8903,
115.2773, 169.3835

■ 30.1444, 34.8473,
58.6984

■ 131.0425,
146.1122, 210.0723

■ 20.0968, 23.5453,
41.9520

163.9117,
182.0069, 256.8053

■ 12.5741, 14.9966,
28.7384

201.8632,
223.3458, 310.0008

■ 7.2109, 8.8170,
18.6391

245.2624,
270.5133, 370.0776

■ 3.6419, 4.6220,
11.2357

294.4746,

■ 1.5016, 2.0272,

323.8937, 437.4540

6.1094

349.8653,
383.8714, 512.5488

■ 0.3269, 0.6232,
2.8419

■ 0.0000, 0.0000,
1.0145

■ 59.2755, 67.2491,
104.4640

■ 59.2755, 67.2491,
104.4640

■ 52.2079, 60.0982,
103.4562

■ 67.5313, 75.2113,
105.5657

■ 46.2571, 53.7140,
102.5376

■ 77.0300, 84.0113,
106.7636

■ 41.3523, 48.0585,
101.7045

■ 87.8294, 93.6835,
108.0614

■ 37.4117, 43.0862,
100.9524

■ 95.0500, 100.0000,
108.9000

■ 34.3395, 38.7445,
100.2763

■ 32.0174, 34.9690,
99.6699

■ 31.2433, 33.6066,
99.4478

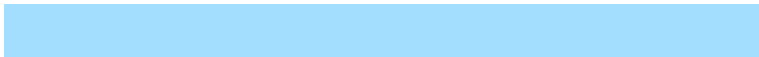
Harmonies

Analogous

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



55.3843, 67.2491, 91.6949



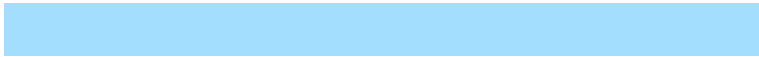
59.2755, 67.2491, 104.4640



64.6210, 67.2491, 108.4621

Triad

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



59.2755, 67.2491, 104.4640



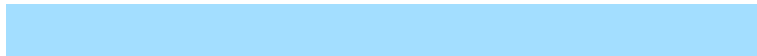
75.2629, 67.2491, 71.2357



58.1296, 67.2491, 50.4772

Complementary

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



59.2755, 67.2491, 104.4640



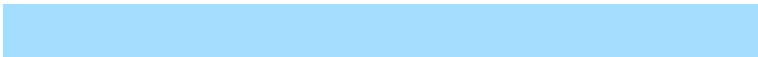
67.5911, 63.3842, 43.3240

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.



63.2206, 67.2491, 46.5857



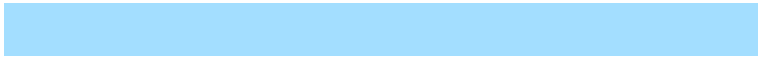
59.2755, 67.2491, 104.4640



73.2866, 67.2491, 57.4148

Square

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



59.2755, 67.2491, 104.4640



74.0564, 67.2491, 87.7184



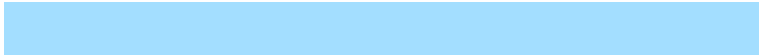
68.7973, 67.2491, 48.9284



54.7504, 67.2491, 60.4192

Rectangle

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



59.2755, 67.2491, 104.4640



68.3455, 67.2491, 105.1954



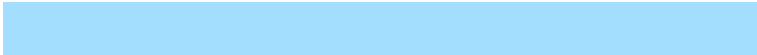
68.7973, 67.2491, 48.9284



59.6865, 67.2491, 48.4896

Sweetspot

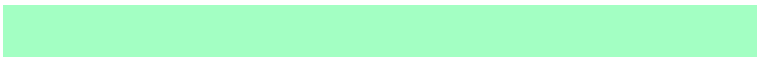
The Sweet Spot groups the original color and five complimentary colors.



59.2774, 67.2516, 104.4644



82.3469, 88.8109, 107.4098



60.7383, 83.2562, 64.6187



17.3146, 18.7301, 22.9526



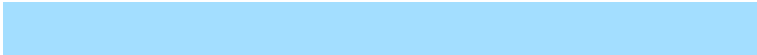
0.0000, 0.0000, 0.0000



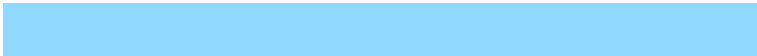
20.3446, 21.4041, 23.3091

Same Dimension

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



59.2774, 67.2516, 104.4644



54.2608, 62.2155, 103.7567



48.8383, 46.3735, 100.9847



17.9747, 19.3211, 23.0319



16.4718, 17.8531, 52.0124



1.7073, 1.9453, 5.0988

Inverse Universe

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



67.5232, 52.7299, 75.7291



63.7713, 46.5589, 70.3695



79.3659, 86.9339, 47.2490



18.4999, 18.1833, 21.2496



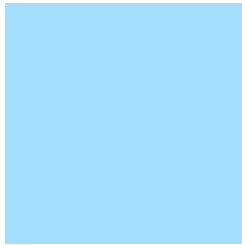
25.1024, 12.5302, 19.7214



2.4964, 1.2409, 2.1953

Previews

White Background



This preview shows how the XYZ color 59.2755, 67.2491, 104.4640 looks on a white background.

Color Contrast Check

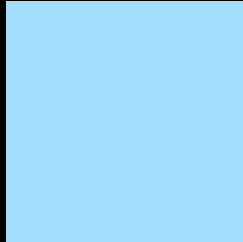
Large Text (above 18pt) WCAG AA × Fail

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 59.2755, 67.2491, 104.4640 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 59.2755, 67.2491, 104.4640

Background



This preview shows how black text looks on a background with the XYZ color 59.2755, 67.2491, 104.4640.

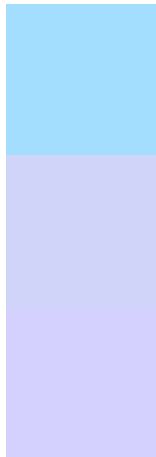


This preview shows how white text looks on a background with the XYZ color 59.2755, 67.2491,

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

59.2755, 67.2491, 104.4640

Protanopia

66.2189, 67.1297, 98.2741

Deuteranopia

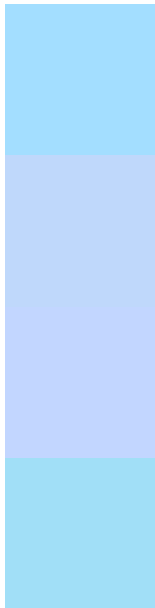
68.0018, 66.8180, 103.9208



Tritanopia

57.1799, 67.1957, 93.9608

Trichromacy



Original Color

59.2755, 67.2491, 104.4640

Protanomaly

63.4543, 67.1531, 100.8842

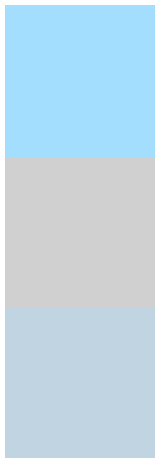
Deuteranomaly

64.3447, 66.7825, 104.1067

Tritanomaly

57.8741, 67.0678, 97.8908

Monochromacy



Original Color

59.2755, 67.2491, 104.4640

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.1231, 64.2312, 80.5159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2755, 67.2491, 104.4640 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(163, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 222, 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(163, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.2755, 67.2491, 104.4640 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(163, 222, 255) }
```


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

```
.border{ border-color:rgb(163, 222, 255) }
```

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

Here you see how a box with a 4 pixel rgb(163, 222, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2755, 67.2491, 104.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 255) }
```

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

```
.background{ background-color: rgb(163,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor