

Converting Colors

XYZ(59.2846, 69.7648, 96.5675)

Have a look what the booklet for
XYZ(59.2846, 69.7648, 96.5675)
contains.

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Color

**XYZ(59.3291, 69.8659,
96.7447)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E4F5
RGB	163, 228, 245
RGB Percent	64%, 89%, 96%
CMY	0.3608, 0.1059, 0.0392
CMYK	0.33, 0.07, 0.00, 0.04
HSL	192°, 80%, 80%
HSV	192°, 33%, 96%
XYZ	59.3291, 69.8659, 96.7447
YIQ	210.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

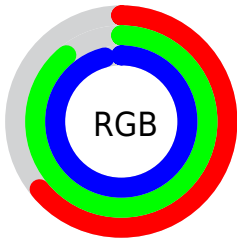
Format	Color
R _Y B	163, 199, 245
Decimal	10740981
CIE _{Lab}	86.93, -16.35, -14.81
CIE _{LCh}	87, 22.061, 222.154
Yxy	69.8659, 0.2626, 0.3092
Android (android.graphics.Color)	4288931061 (0xFFA3E4F5)
YUV	210.5030, 17.0070, -41.6601
Hunter-Lab	83.5858, -19.5761, -10.1139

Details

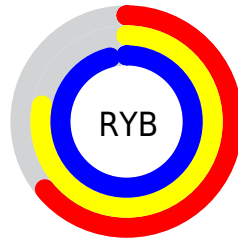
The XYZ color **59.3291, 69.8659, 96.7447** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.5894, 54.7002, 42.0169**, and the grayscale version is **61.5033, 64.7063, 70.4652**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **30.3132, 36.7494, 53.6398** is the 20% darker color. If you saturate the color by 10%, you get **53.4142, 64.7745, 96.0749**, and if you desaturate by 10%, it is **66.2610, 75.5458, 97.4769**.

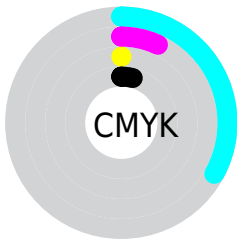
Distribution



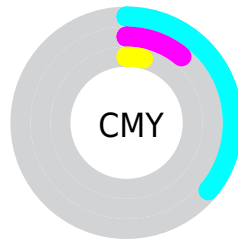
- Red (64%)
- Green (89%)
- Blue (96%)



- Red (64%)
- Yellow (78%)
- Blue (96%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3291, 69.8659, 96.7447 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 59.3291, 69.8659, 96.7447 by changing the saturation by 10% instead.

59.3291, 69.8659,
96.7447

59.3291, 69.8659,
96.7447

411.9949,
460.0790, 570.8619

43.1255, 51.4172,
72.9831

102.9677,
119.0175, 158.6890

30.1785, 36.5408,
53.4704

131.1334,
150.4892, 197.7088

20.1229, 24.8521,
37.7881

164.0172,
187.0707, 242.6517

12.5932, 15.9669,
25.5177

201.9845,
229.1464, 293.9362

7.2241, 9.5007,
16.2407

245.4005,
277.1007, 351.9810

3.6502, 5.0692,
9.5384

294.6307,

1.5062, 2.2879,

331.3180, 417.2045

4.9924

350.0404,
392.1826, 490.0253

■ 0.3301, 0.7673,
2.1842

■ 0.0000, 0.0000,
0.6652

■ 59.3291, 69.8659,
96.7447

■ 59.3291, 69.8659,
96.7447

■ 53.4142, 64.7745,
96.0749

■ 66.2610, 75.5458,
97.4769

■ 48.4532, 60.2337,
95.4599

■ 74.2558, 81.8334,
98.2691

■ 44.3859, 56.2134,
94.8983

■ 83.3639, 88.7569,
99.1255

■ 41.1421, 52.6771,
94.3867

■ 91.3871, 95.1836,
99.9431

■ 38.6406, 49.5822,
93.9212

■ 92.9725, 98.3544,
100.4715

■ 36.7827, 46.8775,
93.4970

■ 93.4817, 99.3727,
100.6412

■ 35.8213, 45.2720,
93.2378

Harmonies

Analogous

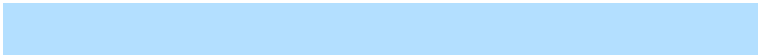
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.1846, 69.8659, 82.2029



59.3291, 69.8659, 96.7447



63.4157, 69.8659, 106.3987

Triad

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



59.3291, 69.8659, 96.7447



76.2882, 69.8659, 85.1017



64.3416, 69.8659, 51.5718

Complementary

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



59.3291, 69.8659, 96.7447



60.5894, 54.7002, 42.0169

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.



69.4877, 69.8659, 52.1366



59.3291, 69.8659, 96.7447



76.5678, 69.8659, 70.2539

Square

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



59.3291, 69.8659, 96.7447



73.2780, 69.8659, 99.1018



74.0232, 69.8659, 58.5765



59.9766, 69.8659, 56.9189

Rectangle

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



59.3291, 69.8659, 96.7447



66.7785, 69.8659, 108.0897



74.0232, 69.8659, 58.5765



66.0338, 69.8659, 51.0980

Sweetspot

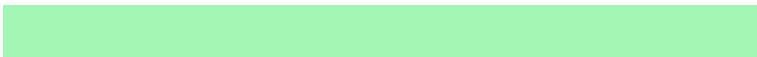
The Sweet Spot groups the original color and five complimentary colors.



59.3312, 69.8687, 96.7463



84.6197, 92.1540, 107.9353



55.9354, 76.3637, 54.6535



17.8199, 19.5010, 23.0748



0.0000, 0.0000, 0.0000



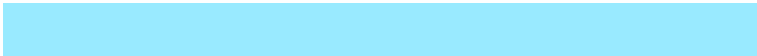
20.3446, 21.4041, 23.3091

Same Dimension

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



59.3312, 69.8687, 96.7463



60.5688, 72.7562, 105.4588



49.4852, 50.1767, 93.4643



16.6880, 18.1403, 21.1644



19.4003, 24.5945, 50.2627



1.7767, 2.3048, 4.4415

Inverse Universe

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



64.7587, 51.2101, 79.8732



67.4619, 49.9747, 83.8242



69.9668, 73.4550, 45.1427



17.0578, 16.7060, 20.0512



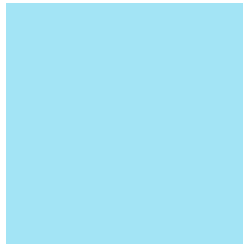
25.5969, 12.5822, 28.9154



2.2859, 1.1203, 2.7317

Previews

White Background



This preview shows how the XYZ color 59.3291, 69.8659, 96.7447 looks on a white background.

Color Contrast Check

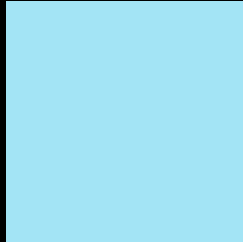
Large Text (above 18pt) WCAG AA × Fail

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 59.3291, 69.8659, 96.7447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

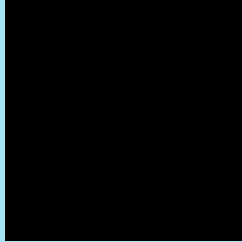
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3291, 69.8659, 96.7447

Background



This preview shows how black text looks on a background with the XYZ color 59.3291, 69.8659, 96.7447.

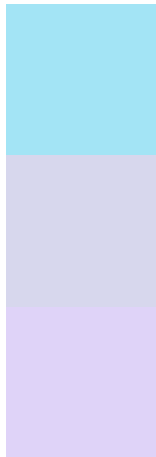


This preview shows how white text looks on a background with the XYZ color 59.3291, 69.8659,

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

59.3291, 69.8659, 96.7447

Protanopia

67.6108, 69.1624, 89.9070

Deuteranopia

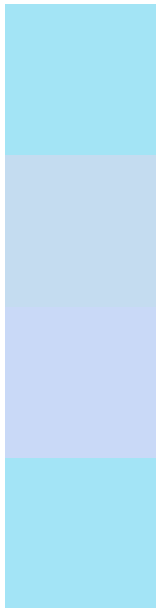
70.6690, 69.0538, 98.4110



Tritanopia

59.4822, 69.9272, 97.5510

Trichromacy



Original Color

59.3291, 69.8659, 96.7447

Protanomaly

64.0863, 69.2134, 92.4199

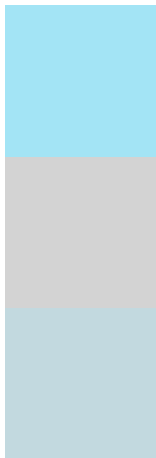
Deuteranomaly

65.6887, 68.7586, 97.8053

Tritanomaly

59.4822, 69.9272, 97.5510

Monochromacy



Original Color

59.3291, 69.8659, 96.7447

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.3803, 66.4228, 79.4505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3291, 69.8659, 96.7447 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, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 245)  
}
```

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, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 245) }
```

Border

The CSS property to change the border of an element to XYZ 59.3291, 69.8659, 96.7447 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, 228, 245) }
```


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

```
.border{ border-color:rgb(163, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(163, 228,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3291, 69.8659, 96.7447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 245) }
```

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

```
.background{ background-color: rgb(163,  
228, 245) }
```

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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