

Converting Colors

XYZ(63.0840, 77.5406, 94.7792)

Have a look what the booklet for
XYZ(63.0840, 77.5406, 94.7792)
contains.

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Color

**XYZ(63.0584, 77.3685,
94.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F1F1
RGB	166, 241, 241
RGB Percent	65%, 95%, 95%
CMY	0.3490, 0.0549, 0.0549
CMYK	0.31, 0.00, 0.00, 0.05
HSL	180°, 73%, 80%
HSV	180°, 31%, 95%
XYZ	63.0584, 77.3685, 94.8292
YIQ	218.5750, -44.7000, -15.9000

Conversions

Conversions Part 2

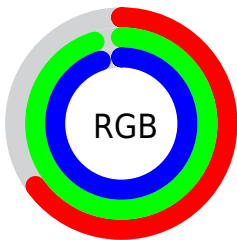
Format	Color
R_{YB}	166, 204, 241
Decimal	10940913
CIE _{Lab}	90.49, -22.93, -7.39
CIE _{LCh}	90, 24.089, 197.867
Yxy	77.3685, 0.2680, 0.3289
Android (android.graphics.Color)	4289130993 (0xFFA6F1F1)
YUV	218.5750, 11.0555, -46.1083
Hunter-Lab	87.9594, -25.9616, -2.3491

Details

The XYZ color **63.0584, 77.3685, 94.8292** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.7975, 48.7287, 42.4914**, and the grayscale version is **66.9876, 70.4762, 76.7485**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **32.6615, 41.5802, 52.2033** is the 20% darker color. If you saturate the color by 10%, you get **58.4726, 75.0064, 94.6156**, and if you desaturate by 10%, it is **68.5954, 80.2248, 95.0907**.

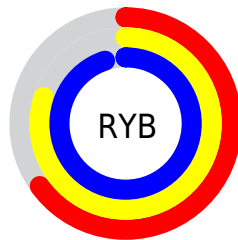
Distribution



Red (65%)

Green (95%)

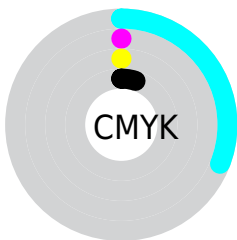
Blue (95%)



Red (65%)

Yellow (80%)

Blue (95%)

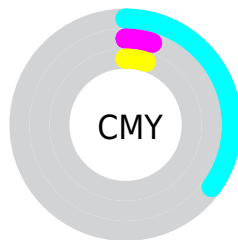


Cyan (31%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0584, 77.3685, 94.8292 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 63.0584, 77.3685, 94.8292 by changing the saturation by 10% instead.

63.0584, 77.3685,
94.8292

63.0584, 77.3685,
94.8292

425.4377,
486.0195, 564.5884

46.1473, 57.5554,
71.3967

108.3351,
129.6595, 156.0222

32.5672, 41.4513,
52.1822

137.4314,
162.9062, 194.6197

21.9527, 28.6719,
36.7671

171.3201,
201.3995, 239.1094

13.9386, 18.8327,
24.7328

210.3666,
245.5239, 289.9097

8.1594, 11.5495,
15.6609

254.9363,
295.6637, 347.4393

4.2498, 6.4377,
9.1328

305.3945,

1.8444, 3.1130,

352.2033, 412.1165

4.7299

362.1065,
415.5271, 484.3601

■ 0.5442, 1.1910,
2.0337

■ 0.0000, 0.0544,
0.5759

■ 63.0584, 77.3685,
94.8292

■ 63.0584, 77.3685,
94.8292

■ 58.4726, 75.0064,
94.6156

■ 68.5954, 80.2248,
95.0907

■ 54.7782, 73.1019,
94.4420

■ 75.1256, 83.5912,
95.3970

■ 51.9193, 71.6280,
94.3075

■ 82.6968, 87.4943,
95.7520

■ 49.8307, 70.5513,
94.2090

■ 88.5746, 90.5244,
96.0278

■ 48.4378, 69.8333,
94.1431

■ 88.5747, 90.5245,
96.0285

■ 47.6511, 69.4277,
94.1056

■ 88.5749, 90.5246,
96.0292

■ 47.3331, 69.2639,
94.0901

■ 88.5750, 90.5246,
96.0299

■ 88.5751, 90.5247,
96.0306

■ 88.5753, 90.5247,
96.0314

Harmonies

Analogous

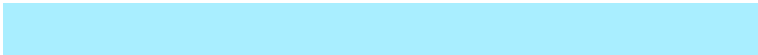
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7882, 77.3685, 77.4625



63.0584, 77.3685, 94.8292



66.0398, 77.3685, 111.3005

Triad

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



63.0584, 77.3685, 94.8292



82.4608, 77.3685, 108.5002



75.9968, 77.3685, 55.8046

Complementary

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



63.0584, 77.3685, 94.8292



56.7975, 48.7287, 42.4914

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.



81.5800, 77.3685, 61.9667



63.0584, 77.3685, 94.8292



85.4462, 77.3685, 91.4042

Square

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



63.0584, 77.3685, 94.8292



77.1461, 77.3685, 119.9044



85.1153, 77.3685, 74.4721



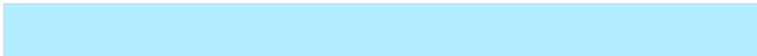
70.0412, 77.3685, 56.4595

Rectangle

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



63.0584, 77.3685, 94.8292



69.2602, 77.3685, 118.8394



85.1153, 77.3685, 74.4721



77.9852, 77.3685, 57.1085

Sweetspot

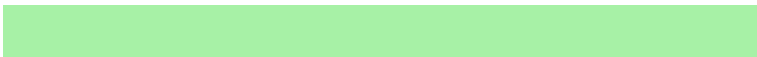
The Sweet Spot groups the original color and five complimentary colors.



63.0607, 77.3716, 94.8310



87.1048, 95.9041, 108.5275



54.3298, 73.9097, 47.4806



18.3888, 20.3959, 23.2174



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

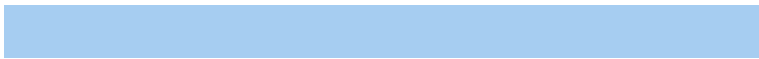
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0607, 77.3716, 94.8310



68.4369, 86.2805, 107.6516



53.3770, 58.0035, 91.6051



16.2474, 17.9290, 20.3258



25.6666, 37.5587, 51.0209



2.1352, 3.1245, 4.2445

Inverse Universe

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



56.7975, 48.7287, 42.4914



60.3263, 49.1886, 39.8730



64.3406, 63.8152, 45.0045



15.7729, 15.7589, 16.3603



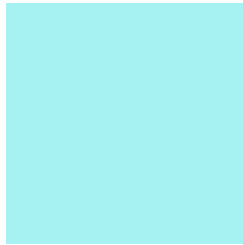
19.6715, 10.1410, 0.9208



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 63.0584, 77.3685, 94.8292 looks on a white background.

Color Contrast Check

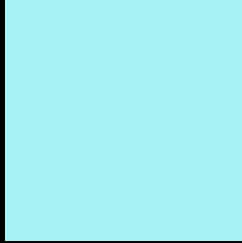
Large Text (above 18pt) WCAG AA × Fail

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 63.0584, 77.3685, 94.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

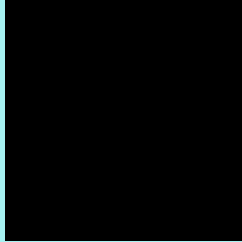
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0584, 77.3685, 94.8292

Background



This preview shows how black text looks on a background with the XYZ color 63.0584, 77.3685, 94.8292.

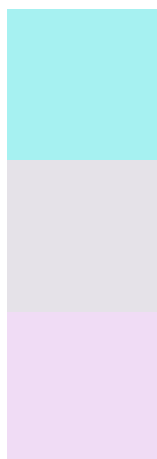


This preview shows how white text looks on a background with the XYZ color 63.0584, 77.3685,

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

63.0584, 77.3685, 94.8292

Protanopia

74.0749, 76.8769, 87.2785

Deuteranopia

78.0098, 76.3042, 97.0028



Tritanopia

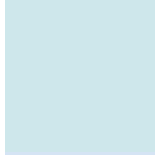
66.2387, 77.0185, 105.9826

Trichromacy



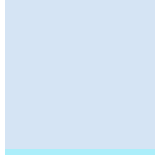
Original Color

63.0584, 77.3685, 94.8292



Protanomaly

69.0249, 76.2718, 89.6812



Deuteranomaly

71.5131, 76.1646, 96.5200



Tritanomaly

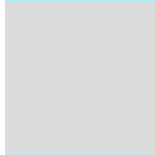
64.8431, 76.8219, 101.8530

Monochromacy



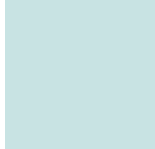
Original Color

63.0584, 77.3685, 94.8292



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.1536, 72.7636, 83.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0584, 77.3685, 94.8292 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(166, 241, 241)` looks like.

```
.text, #text, p{  
    color:rgb(166, 241, 241)  
}
```

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(166, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 241, 241) }
```

Border

The CSS property to change the border of an element to XYZ 63.0584, 77.3685, 94.8292 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(166, 241, 241) }
```


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

```
.border{ border-color:rgb(166, 241, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 241, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(166, 241,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0584, 77.3685, 94.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 241, 241) }
```

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

```
.background{ background-color: rgb(166,  
241, 241) }
```

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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