

Converting Colors

XYZ(63.2121, 79.3682, 84.6248)

Have a look what the booklet for
XYZ(63.2121, 79.3682, 84.6248)
contains.

| | |
|--|----|
| XYZ(63.3121, 79.5088, 84.6829) | 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(63.3121, 79.5088,
84.6829)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | ABF5E3 |
| RGB | 171, 245, 227 |
| RGB Percent | 67%, 96%, 89% |
| CMY | 0.3294, 0.0392, 0.1098 |
| CMYK | 0.30, 0.00, 0.07, 0.04 |
| HSL | 165°, 79%, 82% |
| HSV | 165°, 30%, 96% |
| XYZ | 63.3121, 79.5088, 84.6829 |
| YIQ | 220.8220, -38.3260, -21.2860 |

Conversions

Conversions Part 2

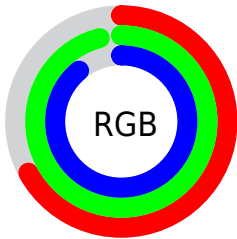
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 171, 213, 245 |
| Decimal | 11269603 |
| CIELab | 91.46, -26.54, 1.36 |
| CIELCh | 91, 26.572, 177.072 |
| Yxy | 79.5088, 0.2783, 0.3495 |
| Android (android.graphics.Color) | 4289459683 (0xFFABF5E3) |
| YUV | 220.8220, 3.0458, -43.6939 |
| Hunter-Lab | 89.1677, -29.3024, 6.1095 |

Details

The XYZ color **63.3121, 79.5088, 84.6829** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.4071, 52.2145, 54.9891**, and the grayscale version is **68.6028, 72.1754, 78.5991**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.6321, 42.6580, 45.5437** is the 20% darker color. If you saturate the color by 10%, you get **57.6540, 76.6874, 80.1991**, and if you desaturate by 10%, it is **69.9923, 82.8579, 89.3667**.

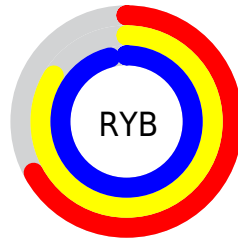
Distribution



Red (67%)

Green (96%)

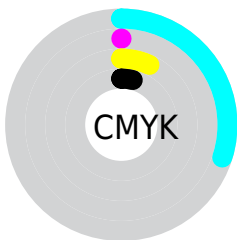
Blue (89%)



Red (67%)

Yellow (84%)

Blue (96%)

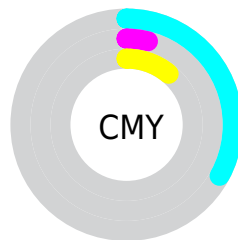


Cyan (30%)

Magenta (0%)

Yellow (7%)

Black (4%)



Cyan (33%)

Magenta (4%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3121, 79.5088, 84.6829 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 63.3121, 79.5088, 84.6829 by changing the saturation by 10% instead.

63.3121, 79.5088,
84.6829

63.3121, 79.5088,
84.6829

426.3430,
493.2759, 530.6954

46.3533, 59.3142,
63.0308

108.6989,
132.6749, 141.8003

32.7305, 42.8661,
45.4249

137.8577,
166.4152, 178.1026

22.0783, 29.7801,
31.4469

171.8139,
205.4396, 220.1254

14.0314, 19.6717,
20.6781

210.9328,
250.1324, 268.2872

8.2244, 12.1566,
12.6999

255.5798,
300.8781, 323.0066

4.2919, 6.8505,
7.0940

306.1203,

1.8685, 3.3688,

358.0609, 384.7020

3.4416

362.9195,
422.0654, 453.7921

■ 0.5584, 1.3271,
1.3243

■ 0.0000, 0.1621,
0.0816

■ 63.3121, 79.5088,
84.6829

■ 63.3121, 79.5088,
84.6829

■ 57.6540, 76.6874,
80.1991

■ 69.9923, 82.8579,
89.3667

■ 52.9563, 74.3558,
75.9057

■ 77.7386, 86.7513,
94.2488

■ 49.1608, 72.4861,
71.8002

■ 86.6007, 91.2165,
99.3347

■ 46.2002, 71.0436,
67.8780

■ 91.2817, 93.5228,
104.3779

■ 43.9975, 69.9887,
64.1338

■ 91.9438, 93.7877,
107.8646

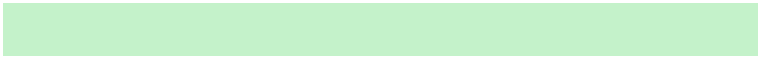
■ 42.4609, 69.2740,
60.5619

■ 41.4532, 68.8274,
57.2215

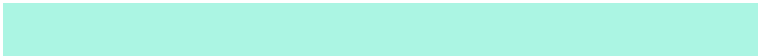
Harmonies

Analogous

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



65.1717, 79.5088, 67.8622



63.3121, 79.5088, 84.6829



64.5716, 79.5088, 104.6535

Triad

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



63.3121, 79.5088, 84.6829



81.6456, 79.5088, 124.1531



82.8631, 79.5088, 58.9206

Complementary

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



63.3121, 79.5088, 84.6829



61.4071, 52.2145, 54.9891

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.



87.7529, 79.5088, 70.7025



63.3121, 79.5088, 84.6829



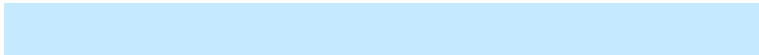
87.0210, 79.5088, 108.4378

Square

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



63.3121, 79.5088, 84.6829



74.9084, 79.5088, 129.3519



89.3176, 79.5088, 88.4881



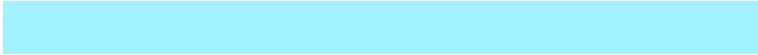
76.2370, 79.5088, 54.4468

Rectangle

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



63.3121, 79.5088, 84.6829



67.0545, 79.5088, 116.8082



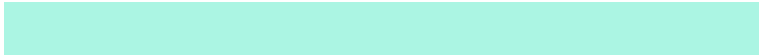
89.3176, 79.5088, 88.4881



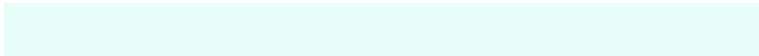
84.7791, 79.5088, 62.0627

Sweetspot

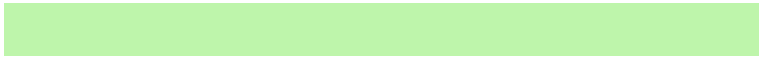
The Sweet Spot groups the original color and five complimentary colors.



63.3144, 79.5120, 84.6847



86.2189, 95.5498, 103.8625



61.1161, 79.1313, 50.5821



18.1691, 20.3080, 22.0602



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.



63.3144, 79.5120, 84.6847



65.5657, 85.1919, 89.8299



60.6110, 69.9184, 96.6910



16.8143, 18.6849, 20.3064



22.3882, 37.1001, 31.1275



2.0079, 3.2768, 2.9473

Inverse Universe

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



61.4071, 52.2145, 54.9891



63.1860, 51.0508, 52.7178



63.3148, 58.9657, 46.5738



16.6644, 16.5486, 17.9794



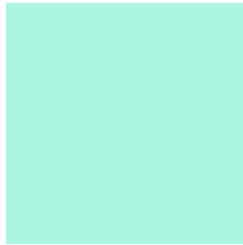
20.7653, 10.6496, 3.4727



1.8641, 0.9516, 0.5105

Previews

White Background



This preview shows how the XYZ color 63.3121, 79.5088, 84.6829 looks on a white background.

Color Contrast Check

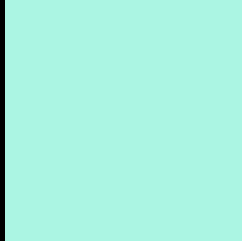
Large Text (above 18pt) WCAG AA × Fail

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 63.3121, 79.5088, 84.6829 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

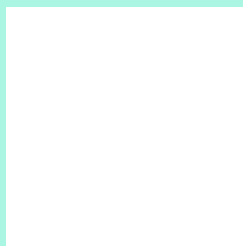
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3121, 79.5088, 84.6829

Background



This preview shows how black text looks on a background with the XYZ color 63.3121, 79.5088, 84.6829.

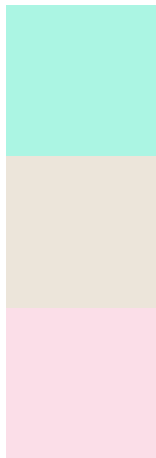


This preview shows how white text looks on a background with the XYZ color 63.3121, 79.5088,

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

63.3121, 79.5088, 84.6829

Protanopia

75.2663, 78.9334, 77.5984

Deuteranopia

80.4704, 78.5780, 87.2697



Tritanopia

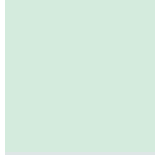
69.6555, 79.6444, 106.3094

Trichromacy



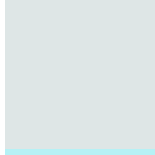
Original Color

63.3121, 79.5088, 84.6829



Protanomaly

69.9109, 78.6342, 79.8998



Deuteranomaly

72.7039, 77.8364, 86.0549



Tritanomaly

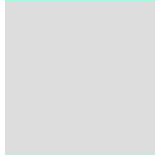
67.2281, 79.4482, 98.1779

Monochromacy



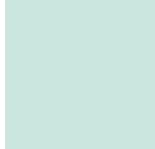
Original Color

63.3121, 79.5088, 84.6829



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.2447, 74.6179, 80.7233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3121, 79.5088, 84.6829 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(171, 245, 227)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 227)  
}
```

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(171, 245, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.3121, 79.5088, 84.6829 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(171, 245, 227) }
```


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

```
.border{ border-color:rgb(171, 245, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 245, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 245, 227); box-shadow:4px 4px 4px 4px rgb(171, 245, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3121, 79.5088, 84.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 227) }
```

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

```
.background{ background-color: rgb(171,  
245, 227) }
```

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