

Converting Colors

XYZ(64.3329, 79.8958, 98.7193)

Have a look what the booklet for
XYZ(64.3329, 79.8958, 98.7193)
contains.

XYZ(64.2381, 79.6839, 98.3810)	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(64.2381, 79.6839,
98.3810)**

Conversions

Conversions Part 1

Format	Color
Hex	A3F5F5
RGB	163, 245, 245
RGB Percent	64%, 96%, 96%
CMY	0.3608, 0.0392, 0.0392
CMYK	0.33, 0.00, 0.00, 0.04
HSL	180°, 80%, 80%
HSV	180°, 33%, 96%
XYZ	64.2381, 79.6839, 98.3810
YIQ	220.4820, -48.8720, -17.3840

Conversions

Conversions Part 2

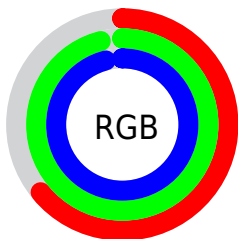
Format	Color
RYB	163, 204, 245
Decimal	10745333
CIELab	91.54, -24.76, -7.93
CIELCh	92, 25.998, 197.765
Yxy	79.6839, 0.2651, 0.3289
Android (android.graphics.Color)	4288935413 (0xFFA3F5F5)
YUV	220.4820, 12.0874, -50.4117
Hunter-Lab	89.2658, -27.7618, -2.8582

Details

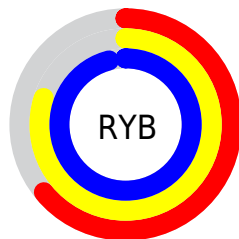
The XYZ color **64.2381, 79.6839, 98.3810** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.3670, 48.2536, 40.9437**, and the grayscale version is **68.3088, 71.8662, 78.2622**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **33.4463, 43.1951, 54.7188** is the 20% darker color. If you saturate the color by 10%, you get **59.7000, 77.3464, 98.1697**, and if you desaturate by 10%, it is **69.7526, 82.5287, 98.6415**.

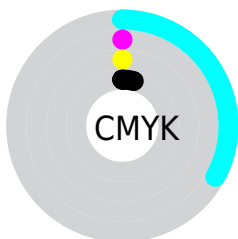
Distribution



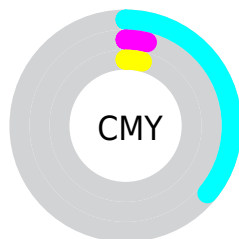
- Red (64%)
- Green (96%)
- Blue (96%)



- Red (64%)
- Yellow (80%)
- Blue (96%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2381, 79.6839, 98.3810 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 64.2381, 79.6839, 98.3810 by changing the saturation by 10% instead.


 64.2381, 79.6839,
98.3810


 64.2381, 79.6839,
98.3810


429.6376,
493.8669, 576.1917

 47.1059, 59.4583,
74.3398


 110.0256,
132.9212, 160.9629

 33.3277, 42.9821,
54.5737


 139.4116,
166.7017, 200.3408

 22.5381, 29.8711,
38.6642


173.6130,
205.7693, 245.6679

 14.3716, 19.7408,
26.1928

212.9951,
250.5083, 297.3628

 8.4630, 12.2067,
16.7409

257.9233,
301.3032, 355.8441

 4.4469, 6.8846,
9.8899

308.7628,

 1.9579, 3.3901,

358.5383, 421.5304

5.2214

365.8791,
422.5981, 494.8400

0.6102, 1.3386,
2.3167

0.0000, 0.1708,
0.7406

64.2381, 79.6839,
98.3810

64.2381, 79.6839,
98.3810

59.7000, 77.3464,
98.1697

69.7526, 82.5287,
98.6415

56.0750, 75.4776,
97.9994

76.2884, 85.8980,
98.9480

53.3033, 74.0488,
97.8690

83.8958, 89.8197,
99.3046

51.3150, 73.0238,
97.7753

90.3759, 93.1603,
99.6086

■ 50.0295, 72.3611,
97.7145

■ 90.3760, 93.1604,
99.6092

■ 49.3484, 72.0100,
97.6820

■ 90.3762, 93.1604,
99.6099

■ 49.1346, 71.8998,
97.6716

■ 90.3763, 93.1605,
99.6105

■ 90.3764, 93.1605,
99.6112

■ 90.3765, 93.1606,
99.6118

Harmonies

Analogous

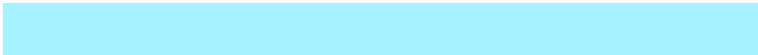
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9534, 79.6839, 79.2556



64.2381, 79.6839, 98.3810



67.4903, 79.6839, 116.6861

Triad

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



64.2381, 79.6839, 98.3810



85.5695, 79.6839, 113.6785



78.4699, 79.6839, 55.7593

Complementary

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



64.2381, 79.6839, 98.3810



57.3670, 48.2536, 40.9437

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.



84.6299, 79.6839, 62.4488



64.2381, 79.6839, 98.3810



88.8862, 79.6839, 94.7285

Square

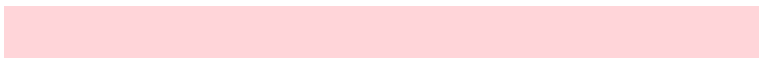
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.2381, 79.6839, 98.3810



79.6923, 79.6839, 126.3654



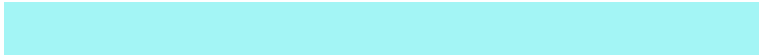
88.5326, 79.6839, 76.0962



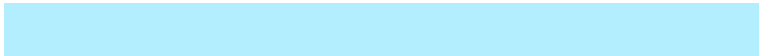
71.9151, 79.6839, 56.4408

Rectangle

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



64.2381, 79.6839, 98.3810



71.0166, 79.6839, 125.1187



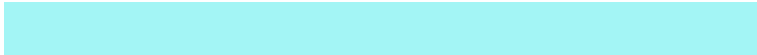
88.5326, 79.6839, 76.0962



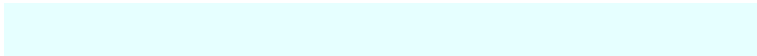
80.6623, 79.6839, 57.1748

Sweetspot

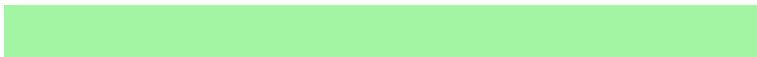
The Sweet Spot groups the original color and five complimentary colors.



64.2404, 79.6871, 98.3828



86.2827, 95.4803, 108.4890



54.6513, 75.8839, 46.4187



18.2251, 20.3115, 23.2097



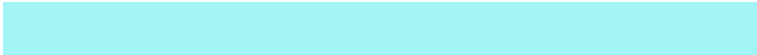
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.2404, 79.6871, 98.3828



66.9463, 85.5121, 107.5819



53.5072, 58.2200, 94.8072



16.9968, 18.7578, 21.2672



26.4687, 38.7323, 52.6156



2.3264, 3.4042, 4.6244

Inverse Universe

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



57.3670, 48.2536, 40.9437



58.3813, 46.3425, 36.0064



65.5393, 64.5985, 43.6666



16.4992, 16.4825, 17.1095



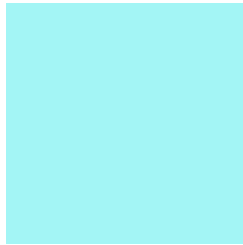
20.2862, 10.4579, 0.9496



1.7830, 0.9192, 0.0835

Previews

White Background



This preview shows how the XYZ color 64.2381, 79.6839, 98.3810 looks on a white background.

Color Contrast Check

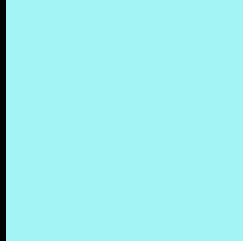
Large Text (above 18pt) WCAG AA × Fail

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 64.2381, 79.6839, 98.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

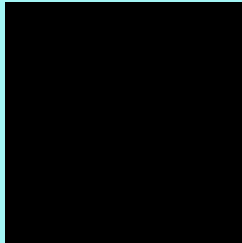
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2381, 79.6839, 98.3810

Background



This preview shows how black text looks on a background with the XYZ color 64.2381, 79.6839, 98.3810.

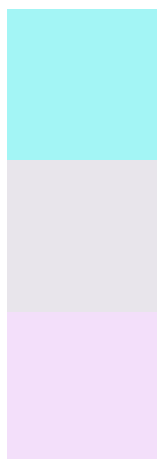


This preview shows how white text looks on a background with the XYZ color 64.2381, 79.6839,

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

64.2381, 79.6839, 98.3810

Protanopia

76.2934, 79.1926, 89.8619

Deuteranopia

80.6051, 78.7322, 101.3910



Tritanopia

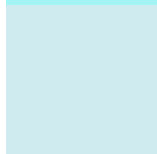
68.9773, 79.7305, 106.3618

Trichromacy



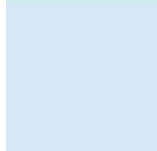
Original Color

64.2381, 79.6839, 98.3810



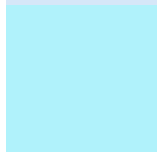
Protanomaly

71.0204, 78.9141, 93.1501



Deuteranomaly

73.2507, 78.2253, 100.0452



Tritanomaly

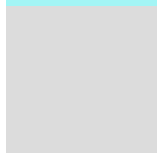
67.0692, 79.6994, 103.1154

Monochromacy



Original Color

64.2381, 79.6839, 98.3810



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.7154, 73.8379, 84.9173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2381, 79.6839, 98.3810 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, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(163, 245, 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, 245, 245) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 64.2381, 79.6839, 98.3810 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, 245, 245) }
```


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

```
.border{ border-color:rgb(163, 245, 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, 245, 245)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 64.2381, 79.6839, 98.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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