

Converting Colors

XYZ(63.3654, 79.7658, 93.3827)

Have a look what the booklet for
XYZ(63.3654, 79.7658, 93.3827)
contains.

XYZ(63.4360, 79.8249, 93.7257)	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(63.4360, 79.8249,
93.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	A2F6EF
RGB	162, 246, 239
RGB Percent	64%, 96%, 94%
CMY	0.3647, 0.0353, 0.0627
CMYK	0.34, 0.00, 0.03, 0.04
HSL	175°, 82%, 80%
HSV	175°, 34%, 96%
XYZ	63.4360, 79.8249, 93.7257
YIQ	220.0860, -47.8170, -19.9850

Conversions

Conversions Part 2

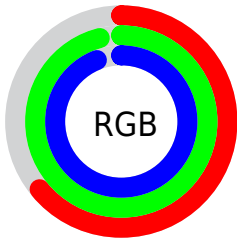
Format	Color
R _Y B	162, 206, 246
Decimal	10680047
CIE Lab	91.61, -26.87, -4.72
CIE LCh	92, 27.278, 189.973
Yxy	79.8249, 0.2677, 0.3368
Android (android.graphics.Color)	4288870127 (0xFFA2F6EF)
YUV	220.0860, 9.3246, -50.9414
Hunter-Lab	89.3448, -29.6160, 0.3441

Details

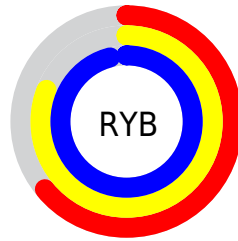
The XYZ color **63.4360, 79.8249, 93.7257** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.0905, 48.3002, 43.8002**, and the grayscale version is **68.0503, 71.5942, 77.9660**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **32.6887, 42.8783, 51.3532** is the 20% darker color. If you saturate the color by 10%, you get **58.6187, 77.3783, 91.9292**, and if you desaturate by 10%, it is **69.2388, 82.7832, 95.5897**.

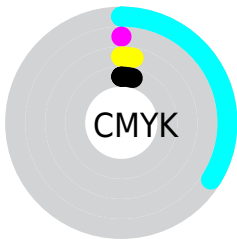
Distribution



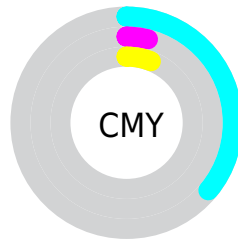
- Red (64%)
- Green (96%)
- Blue (94%)



- Red (64%)
- Yellow (81%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4360, 79.8249, 93.7257 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 63.4360, 79.8249, 93.7257 by changing the saturation by 10% instead.


 63.4360, 79.8249,
93.7257

 63.4360, 79.8249,
93.7257


426.7847,
494.3425, 560.9571

 46.4540, 59.5743,
70.4838


 108.8766,
133.1195, 154.4833

 32.8104, 43.0756,
51.4418


 138.0658,
166.9323, 192.8361

 22.1397, 29.9444,
36.1812


172.0549,
206.0346, 237.0630

 14.0768, 19.7964,
24.2834

211.2091,
250.8108, 287.5825

 8.2562, 12.2471,
15.3298

255.8939,
301.6453, 344.8131

 4.3125, 6.9122,
8.9020

306.4745,

 1.8804, 3.4073,

358.9225, 409.1734

4.5814

363.3163,
423.0268, 481.0819

■ 0.5654, 1.3479,
1.9494

■ 0.0000, 0.1778,
0.5239

■ 63.4360, 79.8249,
93.7257

■ 63.4360, 79.8249,
93.7257

■ 58.6187, 77.3783,
91.9292

■ 69.2388, 82.7832,
95.5897

■ 54.7227, 75.4043,
90.1919

■ 76.0729, 86.2706,
97.5183

■ 51.6872, 73.8734,
88.5128

■ 83.9893, 90.3157,
99.5156

■ 49.4410, 72.7491,
86.8884

■ 91.0173, 93.9023,
101.4895

■ 47.9015, 71.9887,
85.3147

■ 91.3360, 94.0298,
103.1675

■ 46.9678, 71.5402,
83.7871

■ 91.6581, 94.1587,
104.8639

■ 46.6156, 71.3777,
82.9101

■ 91.9838, 94.2889,
106.5788

■ 92.2471, 94.3943,
107.9657

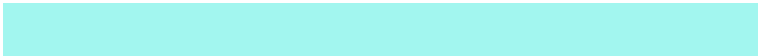
Harmonies

Analogous

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



63.9764, 79.8249, 74.4365



63.4360, 79.8249, 93.7257



66.0680, 79.8249, 113.9444

Triad

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



63.4360, 79.8249, 93.7257



84.7999, 79.8249, 119.7304



80.5485, 79.8249, 55.6430

Complementary

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



63.4360, 79.8249, 93.7257



58.0905, 48.3002, 43.8002

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.



86.5991, 79.8249, 64.5398



63.4360, 79.8249, 93.7257



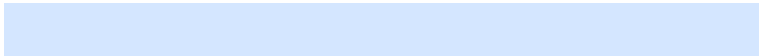
89.1558, 79.8249, 100.7171

Square

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



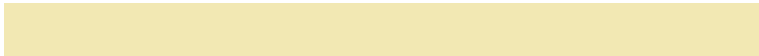
63.4360, 79.8249, 93.7257



78.2132, 79.8249, 130.4056



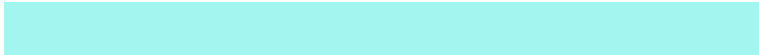
89.8337, 79.8249, 80.4439



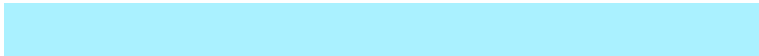
73.5764, 79.8249, 54.3613

Rectangle

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



63.4360, 79.8249, 93.7257



69.3677, 79.8249, 124.5126



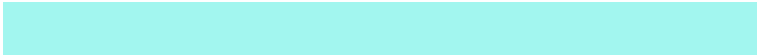
89.8337, 79.8249, 80.4439



82.7689, 79.8249, 57.7695

Sweetspot

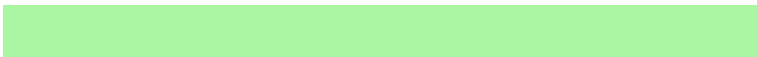
The Sweet Spot groups the original color and five complimentary colors.



63.4383, 79.8281, 93.7275



85.9425, 95.3442, 106.6971



56.1439, 77.1141, 46.1093



18.1421, 20.2783, 22.7726



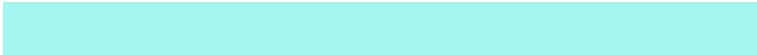
0.0000, 0.0000, 0.0000



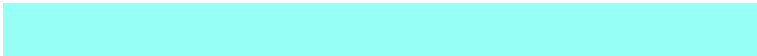
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4383, 79.8281, 93.7275



65.0989, 84.7181, 100.3388



55.1808, 61.6250, 96.1789



16.9336, 18.7326, 20.9347



24.9061, 38.1073, 44.3870



2.2063, 3.3562, 3.9922

Inverse Universe

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



58.0905, 48.3002, 43.8002



58.4907, 45.7256, 38.6195



64.1801, 61.5037, 42.6726



16.5552, 16.5049, 17.4043



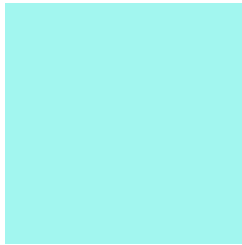
20.3761, 10.4939, 1.4231



1.8097, 0.9299, 0.2245

Previews

White Background



This preview shows how the XYZ color 63.4360, 79.8249, 93.7257 looks on a white background.

Color Contrast Check

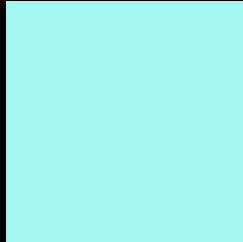
Large Text (above 18pt) WCAG AA × Fail

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 63.4360, 79.8249, 93.7257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

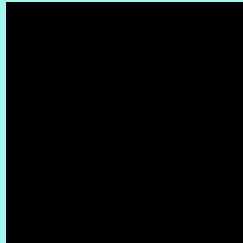
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4360, 79.8249, 93.7257

Background



This preview shows how black text looks on a background with the XYZ color 63.4360, 79.8249, 93.7257.



This preview shows how white text looks on a background with the XYZ color 63.4360, 79.8249,

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

63.4360, 79.8249, 93.7257

Protanopia

76.0939, 79.1882, 85.4030

Deuteranopia

80.7228, 78.8998, 96.5626



Tritanopia

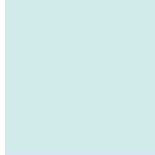
68.9773, 79.7305, 106.3618

Trichromacy



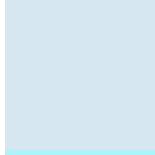
Original Color

63.4360, 79.8249, 93.7257



Protanomaly

70.4287, 78.7098, 88.5713



Deuteranomaly

72.6273, 78.0097, 95.2339



Tritanomaly

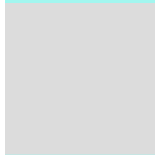
66.7555, 79.5739, 101.4634

Monochromacy



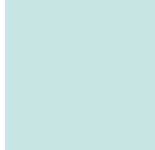
Original Color

63.4360, 79.8249, 93.7257



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.4376, 73.7268, 83.4548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4360, 79.8249, 93.7257 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(162, 246, 239)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 239)  
}
```

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(162, 246, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 239) }
```

Border

The CSS property to change the border of an element to XYZ 63.4360, 79.8249, 93.7257 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(162, 246, 239) }
```


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

```
.border{ border-color:rgb(162, 246, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 246, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 239);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4360, 79.8249, 93.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 239) }
```

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

```
.background{ background-color: rgb(162,  
246, 239) }
```

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