

Converting Colors

XYZ(60.6649, 79.9506, 85.4536)

Have a look what the booklet for
XYZ(60.6649, 79.9506, 85.4536)
contains.

XYZ(60.6418, 79.9321, 85.6311)	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(60.6418, 79.9321,
85.6311)**

Conversions

Conversions Part 1

Format	Color
Hex	97F9E4
RGB	151, 249, 228
RGB Percent	59%, 98%, 89%
CMY	0.4078, 0.0235, 0.1059
CMYK	0.39, 0.00, 0.08, 0.02
HSL	167°, 89%, 78%
HSV	167°, 39%, 98%
XYZ	60.6418, 79.9321, 85.6311
YIQ	217.3040, -51.6670, -27.3070

Conversions

Conversions Part 2

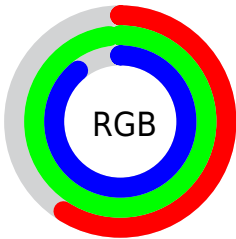
Format	Color
R_{YB}	151, 206, 249
Decimal	9959908
CIE _{Lab}	91.65, -33.59, 1.00
CIE _{LCh}	92, 33.601, 178.292
Yxy	79.9321, 0.2681, 0.3534
Android (android.graphics.Color)	4288149988 (0xFF97F9E4)
YUV	217.3040, 5.2731, -58.1486
Hunter-Lab	89.4048, -35.3847, 5.7959

Details

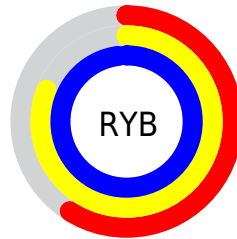
The XYZ color **60.6418, 79.9321, 85.6311** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.5827, 45.2537, 44.7327**, and the grayscale version is **66.1541, 69.5992, 75.7936**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **31.0086, 43.0961, 46.2192** is the 20% darker color. If you saturate the color by 10%, you get **55.7707, 77.5073, 81.5968**, and if you desaturate by 10%, it is **66.5162, 82.8756, 89.8352**.

Distribution



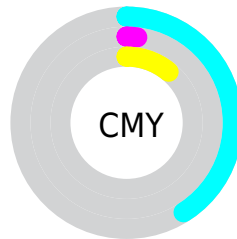
- Red (59%)
- Green (98%)
- Blue (89%)



- Red (59%)
- Yellow (81%)
- Blue (98%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (41%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.6418, 79.9321, 85.6311 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 60.6418, 79.9321, 85.6311 by changing the saturation by 10% instead.


 60.6418, 79.9321,
85.6311


 60.6418, 79.9321,
85.6311


416.7563,
494.7040, 533.9130

 44.1876, 59.6625,
63.8098


 104.8612,
133.2703, 143.1366

 31.0166, 43.1466,
46.0515


 133.3571,
167.1076, 179.6578

 20.7633, 30.0002,
31.9375


166.5975,
206.2363, 221.9162

 13.0626, 19.8387,
21.0493

204.9480,
251.0407, 270.3301

 7.5490, 12.2779,
12.9685

248.7737,
301.9053, 325.3183

 3.8571, 6.9332,
7.2764

298.4401,

 1.6216, 3.4204,

359.2145, 387.2991

3.5545

354.3125,
423.3526, 456.6911

0.4064, 1.3549,
1.3843

0.0000, 0.1832,
0.1294

60.6418, 79.9321,
85.6311

60.6418, 79.9321,
85.6311

55.7707, 77.5073,
81.5968

66.5162, 82.8756,
89.8352

51.8339, 75.5594,
77.7228

73.4439, 86.3573,
94.2073

48.7644, 74.0561,
74.0066

81.4795, 90.4075,
98.7528

46.4831, 72.9566,
70.4435

90.6719, 95.0514,
103.4748

■ 44.8963, 72.2125,
67.0279

■ 93.1162, 96.2138,
108.0046

■ 43.8590, 71.7492,
63.7520

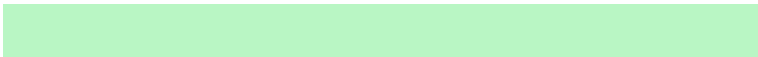
■ 93.1671, 96.2341,
108.2724

■ 43.8000, 71.7233,
63.5456

Harmonies

Analogous

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



62.7799, 79.9321, 64.4787



60.6418, 79.9321, 85.6311



62.3476, 79.9321, 111.4116

Triad

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



60.6418, 79.9321, 85.6311



84.0668, 79.9321, 135.6387



84.9817, 79.9321, 52.6967

Complementary

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



60.6418, 79.9321, 85.6311



57.5827, 45.2537, 44.7327

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.



91.4517, 79.9321, 66.4975



60.6418, 79.9321, 85.6311



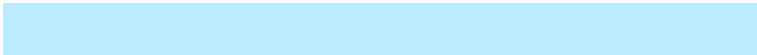
90.8961, 79.9321, 114.3136

Square

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



60.6418, 79.9321, 85.6311



75.4822, 79.9321, 143.3414



93.6923, 79.9321, 88.4490



76.4661, 79.9321, 47.8210

Rectangle

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



60.6418, 79.9321, 85.6311



65.5130, 79.9321, 127.3017



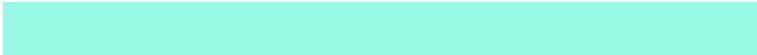
93.6923, 79.9321, 88.4490



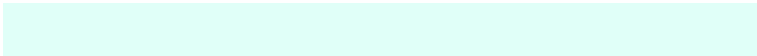
87.4912, 79.9321, 56.3005

Sweetspot

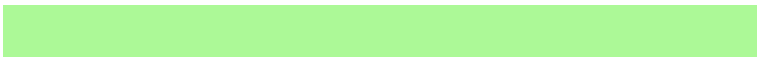
The Sweet Spot groups the original color and five complimentary colors.



60.6441, 79.9353, 85.6329



83.6366, 94.2361, 102.9483



56.5286, 78.7861, 41.5076



17.6586, 20.0478, 21.9000



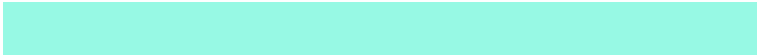
0.0000, 0.0000, 0.0000



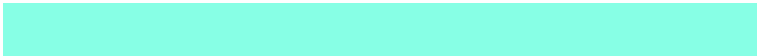
20.3446, 21.4041, 23.3091

Same Dimension

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



60.6441, 79.9353, 85.6329



59.9627, 82.3581, 87.0959



55.7820, 65.2579, 99.2822



17.5972, 19.5411, 21.3453



23.4990, 38.4126, 34.3007



2.2147, 3.5730, 3.3784

Inverse Universe

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



57.5827, 45.2537, 44.7327



56.3434, 41.1972, 38.6242



60.7289, 54.5233, 36.6030



17.3968, 17.2861, 18.6794



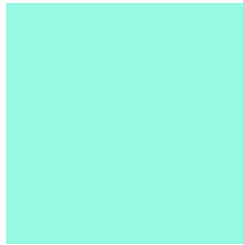
21.3025, 10.9367, 3.0352



2.0102, 1.0278, 0.4771

Previews

White Background



This preview shows how the XYZ color 60.6418, 79.9321, 85.6311 looks on a white background.

Color Contrast Check

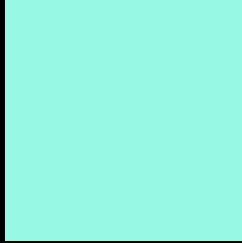
Large Text (above 18pt) WCAG AA × Fail

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 60.6418, 79.9321, 85.6311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

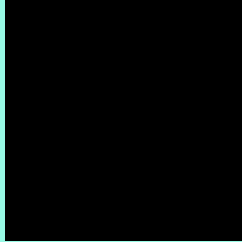
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.6418, 79.9321, 85.6311

Background



This preview shows how black text looks on a background with the XYZ color 60.6418, 79.9321, 85.6311.



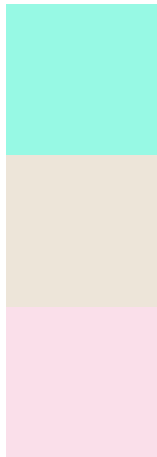
This preview shows how white text looks on a background with the XYZ color 60.6418, 79.9321, 85.6311.

85.6311.

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

60.6418, 79.9321, 85.6311

Protanopia

75.4687, 79.0529, 76.9267

Deuteranopia

80.6633, 79.0399, 88.8467



Tritanopia

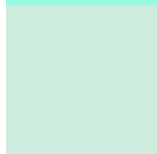
68.5015, 79.4853, 106.3395

Trichromacy



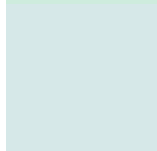
Original Color

60.6418, 79.9321, 85.6311



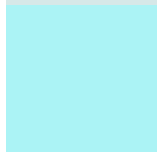
Protanomaly

68.5002, 78.3332, 79.9161



Deuteranomaly

71.1537, 77.8356, 87.6175



Tritanomaly

65.3266, 79.3517, 98.2595

Monochromacy



Original Color

60.6418, 79.9321, 85.6311



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.0628, 72.5965, 79.0954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.6418, 79.9321, 85.6311 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(151, 249, 228)` looks like.

```
.text, #text, p{  
    color:rgb(151, 249, 228)  
}
```

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(151, 249, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 249, 228) }
```

Border

The CSS property to change the border of an element to XYZ 60.6418, 79.9321, 85.6311 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(151, 249, 228) }
```


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

```
.border{ border-color:rgb(151, 249, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 249, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 249, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 249, 228);  
box-shadow:4px 4px 4px 4px rgb(151, 249,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 60.6418, 79.9321, 85.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 249, 228) }
```

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

```
.background{ background-color: rgb(151,  
249, 228) }
```

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