

Converting Colors

XYZ(59.6164, 78.4746, 86.1337)

Have a look what the booklet for
XYZ(59.6164, 78.4746, 86.1337)
contains.

XYZ(59.6164, 78.4746, 86.1337)	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(59.6164, 78.4746,
86.1337)**

Conversions

Conversions Part 1

Format	Color
Hex	94F7E5
RGB	148, 247, 229
RGB Percent	58%, 97%, 90%
CMY	0.4196, 0.0314, 0.1020
CMYK	0.40, 0.00, 0.07, 0.03
HSL	169°, 86%, 77%
HSV	169°, 40%, 97%
XYZ	59.6164, 78.4746, 86.1337
YIQ	215.3470, -53.2260, -26.5860

Conversions

Conversions Part 2

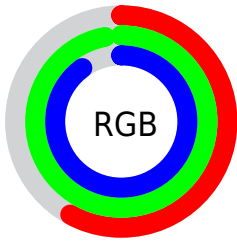
Format	Color
R_{YB}	148, 202, 247
Decimal	9762789
CIE _{Lab}	91.00, -33.19, -0.49
CIE _{LCh}	91, 33.192, 180.853
Y _{xy}	78.4746, 0.2659, 0.3500
Android (android.graphics.Color)	4287952869 (0xFF94F7E5)
YUV	215.3470, 6.7309, -59.0633
Hunter-Lab	88.5859, -34.8986, 4.3614

Details

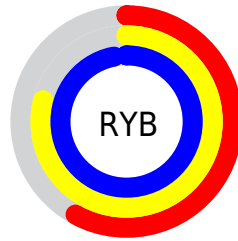
The XYZ color **59.6164, 78.4746, 86.1337** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.8334, 43.7094, 41.5735**, and the grayscale version is **64.8100, 68.1852, 74.2536**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **30.3678, 42.1071, 46.5713** is the 20% darker color. If you saturate the color by 10%, you get **54.9978, 76.1671, 82.6873**, and if you desaturate by 10%, it is **65.2089, 81.2862, 89.7138**.

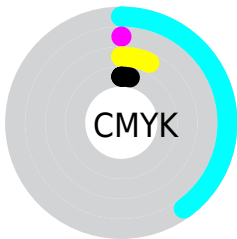
Distribution



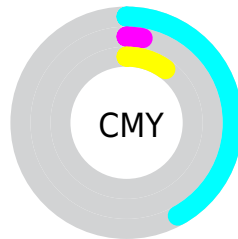
- Red (58%)
- Green (97%)
- Blue (90%)



- Red (58%)
- Yellow (79%)
- Blue (97%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)





- Cyan (42%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6164, 78.4746, 86.1337 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 59.6164, 78.4746, 86.1337 by changing the saturation by 10% instead.


 59.6164, 78.4746,
86.1337


 59.6164, 78.4746,
86.1337


413.0398,
489.7771, 535.6141

 43.3578, 58.4639,
64.2230

 103.3825,
131.2189, 143.8442

 30.3617, 42.1817,
46.3840


 131.6207,
164.7214, 180.4812

 20.2627, 29.2436,
32.1981


164.5829,
203.4899, 222.8639

 12.6955, 19.2652,
21.2468


202.6343,
247.9089, 271.4111

 7.2948, 11.8621,
13.1115

246.1404,
298.3627, 326.5411

 3.6951, 6.6498,
7.3737

295.4664,

 1.5311, 3.2441,

355.2357, 388.6726

3.6149

350.9778,
418.9124, 458.2241

■ 0.3469, 1.2605,
1.4166

■ 0.0000, 0.1103,
0.1546

■ 59.6164, 78.4746,
86.1337

■ 59.6164, 78.4746,
86.1337

■ 54.9978, 76.1671,
82.6873

■ 65.2089, 81.2862,
89.7138

■ 51.2851, 74.3229,
79.3657


■ 71.8246, 84.6214,
93.4254


■ 48.4122, 72.9096,
76.1669


■ 79.5172, 88.5099,
97.2733

■ 46.3008, 71.8872,
73.0865

■ 88.3350, 92.9765,
101.2605

 44.8576, 71.2073,
70.1195

 91.9873, 94.7783,
105.0931

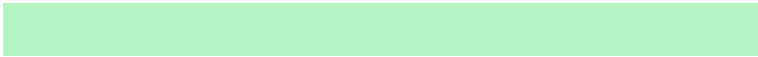
 43.9332, 70.7927,
67.2807

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



61.3885, 78.4746, 64.8930



59.6164, 78.4746, 86.1337



61.5992, 78.4746, 111.3473

Triad

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



59.6164, 78.4746, 86.1337



83.1550, 78.4746, 131.4705



82.7095, 78.4746, 51.1630

Complementary

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



59.6164, 78.4746, 86.1337



55.8334, 43.7094, 41.5735

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.



89.2847, 78.4746, 63.9085



59.6164, 78.4746, 86.1337



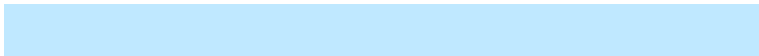
89.5552, 78.4746, 109.9350

Square

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



59.6164, 78.4746, 86.1337



74.8277, 78.4746, 140.3552



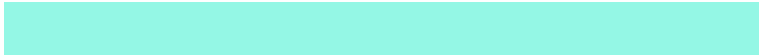
91.8766, 78.4746, 84.7610



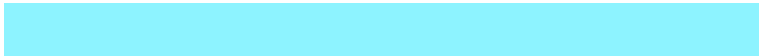
74.3484, 78.4746, 47.1286

Rectangle

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



59.6164, 78.4746, 86.1337



64.8759, 78.4746, 126.4364



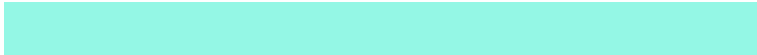
91.8766, 78.4746, 84.7610



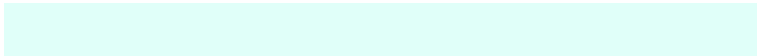
85.2235, 78.4746, 54.4363

Sweetspot

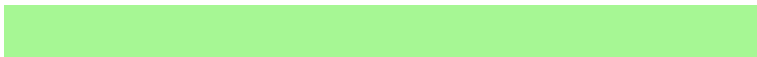
The Sweet Spot groups the original color and five complimentary colors.



59.6186, 78.4777, 86.1355



83.7915, 94.2981, 103.7642



54.3659, 76.7861, 39.9744



17.6952, 20.0625, 22.0929



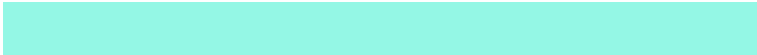
0.0000, 0.0000, 0.0000



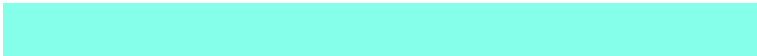
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6186, 78.4777, 86.1355



60.0410, 82.3425, 89.6271



53.4700, 61.9467, 97.1380



16.8598, 18.7031, 20.5462



23.2826, 37.4579, 35.8376



2.0792, 3.3053, 3.3231

Inverse Universe

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



55.8334, 43.7094, 41.5735



55.4773, 40.2875, 35.8000



59.8961, 54.2955, 35.3418



16.6222, 16.5317, 17.7570



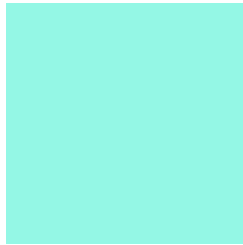
20.5727, 10.5725, 2.4585



1.8414, 0.9425, 0.3914

Previews

White Background



This preview shows how the XYZ color 59.6164, 78.4746, 86.1337 looks on a white background.

Color Contrast Check

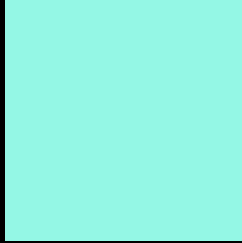
Large Text (above 18pt) WCAG AA × Fail

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 59.6164, 78.4746, 86.1337 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

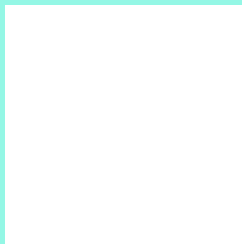
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6164, 78.4746, 86.1337

Background



This preview shows how black text looks on a background with the XYZ color 59.6164, 78.4746, 86.1337.

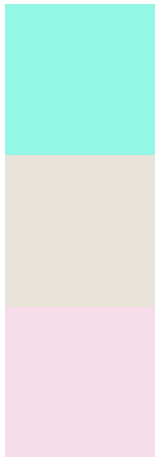


This preview shows how white text looks on a background with the XYZ color 59.6164, 78.4746,

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

59.6164, 78.4746, 86.1337

Protanopia

74.0557, 77.4926, 77.3841

Deuteranopia

79.0655, 77.4276, 88.6197



Tritanopia

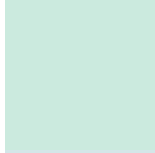
66.5957, 78.0670, 106.1662

Trichromacy



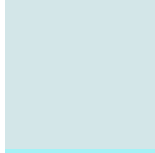
Original Color

59.6164, 78.4746, 86.1337



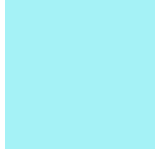
Protanomaly

67.2362, 76.8161, 80.3905



Deuteranomaly

69.7263, 76.2687, 87.3903



Tritanomaly

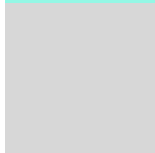
63.9037, 78.1574, 98.9066

Monochromacy



Original Color

59.6164, 78.4746, 86.1337



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.8732, 71.1818, 78.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6164, 78.4746, 86.1337 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(148, 247, 229)` looks like.

```
.text, #text, p{  
    color:rgb(148, 247, 229)  
}
```

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(148, 247, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 247, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.6164, 78.4746, 86.1337 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(148, 247, 229) }
```


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

```
.border{ border-color:rgb(148, 247, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 247, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 247, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 247, 229);  
box-shadow:4px 4px 4px 4px rgb(148, 247,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6164, 78.4746, 86.1337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 247, 229) }
```

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

```
.background{ background-color: rgb(148,  
247, 229) }
```

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