

Converting Colors

XYZ(64.9527, 85.2394, 73.3736)

Have a look what the booklet for
XYZ(64.9527, 85.2394, 73.3736)
contains.

XYZ(64.9478, 85.2374, 73.3510)	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(64.9478, 85.2374,
73.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFFD1
RGB	175, 255, 209
RGB Percent	69%, 100%, 82%
CMY	0.3137, 0.0000, 0.1804
CMYK	0.31, 0.00, 0.18, 0.00
HSL	146°, 100%, 84%
HSV	146°, 31%, 100%
XYZ	64.9478, 85.2374, 73.3510
YIQ	225.8360, -32.9140, -31.2660

Conversions

Conversions Part 2

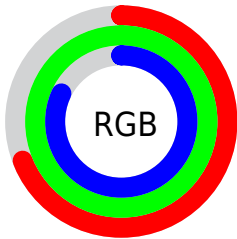
Format	Color
RYB	175, 231, 255
Decimal	11534289
CIELab	93.99, -33.68, 14.30
CIELCh	94, 36.589, 156.986
Yxy	85.2374, 0.2905, 0.3813
Android (android.graphics.Color)	4289724369 (0xFFAFFFD1)
YUV	225.8360, -8.3001, -44.5832
Hunter-Lab	92.3241, -35.9967, 17.5213

Details

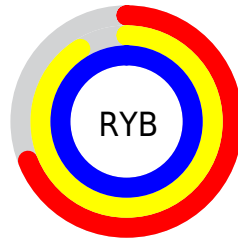
The XYZ color **64.9478, 85.2374, 73.3510** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.6215, 57.1411, 75.7663**, and the grayscale version is **72.2451, 76.0075, 82.7721**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **33.8562, 46.7478, 38.2492** is the 20% darker color. If you saturate the color by 10%, you get **58.0221, 81.8672, 63.9832**, and if you desaturate by 10%, it is **73.1228, 89.2322, 83.6521**.

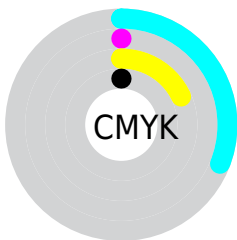
Distribution



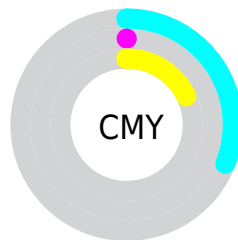
- Red (69%)
- Green (100%)
- Blue (82%)



- Red (69%)
- Yellow (91%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9478, 85.2374, 73.3510 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 64.9478, 85.2374, 73.3510 by changing the saturation by 10% instead.


 64.9478, 85.2374,
73.3510

 64.9478, 85.2374,
73.3510


432.1525,
512.4133, 491.3338

 47.6833, 64.0376,
53.7695


 111.0409,
140.7048, 125.7009

 33.7864, 46.6811,
38.0254


140.6003,
175.7412, 159.3063

 22.8916, 32.7836,
25.7005


174.9886,
216.1585, 198.4235

 14.6338, 21.9607,
16.3759

214.5713,
262.3412, 243.4709

 8.6474, 13.8281,
9.6333

259.7137,
314.6736, 294.8671

 4.5672, 8.0012,
5.0541

310.7811,

 2.0277, 4.0957,

373.5401, 353.0306

2.2198

368.1389,
439.3252, 418.3800

■ 0.6495, 1.7272,
0.6857

■ 0.0000, 0.4412,
0.0000

■ 64.9478, 85.2374,
73.3510

■ 64.9478, 85.2374,
73.3510

■ 58.0221, 81.8672,
63.9832

■ 73.1228, 89.2322,
83.6521

■ 52.2779, 79.0874,
55.5182

■ 82.6053, 93.8813,
94.9078

■ 47.6443, 76.8619,
47.9295

■ 93.4525, 99.2137,
107.1437

■ 44.0413, 75.1500,
41.1878

■ 95.0500, 100.0000,
108.9000

■ 41.3776, 73.9051,
35.2620

■ 39.5439, 73.0718,
30.1186

■ 38.4870, 72.6108,
26.2800

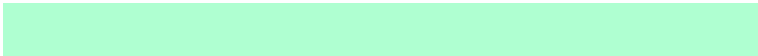
Harmonies

Analogous

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



70.2461, 85.2374, 56.1711



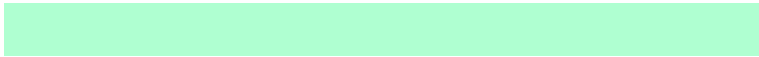
64.9478, 85.2374, 73.3510



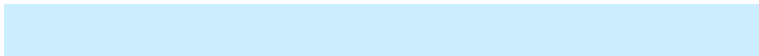
63.7866, 85.2374, 99.4981

Triad

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



64.9478, 85.2374, 73.3510



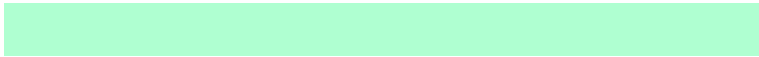
83.3187, 85.2374, 156.9961



96.9419, 85.2374, 64.0952

Complementary

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



64.9478, 85.2374, 73.3510



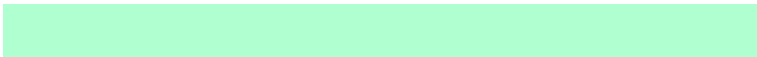
69.6215, 57.1411, 75.7663

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.



101.0972, 85.2374, 86.4267



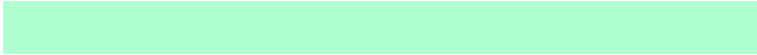
64.9478, 85.2374, 73.3510



92.8331, 85.2374, 142.6743

Square

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



64.9478, 85.2374, 73.3510



73.9012, 85.2374, 151.5564



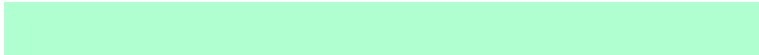
99.5363, 85.2374, 115.4356



88.5725, 85.2374, 51.6242

Rectangle

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



64.9478, 85.2374, 73.3510



65.4232, 85.2374, 119.3837



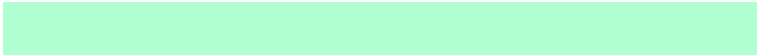
99.5363, 85.2374, 115.4356



98.9072, 85.2374, 70.5033

Sweetspot

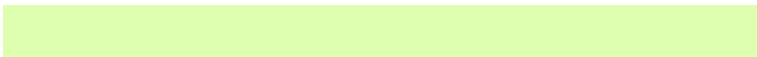
The Sweet Spot groups the original color and five complimentary colors.



64.9485, 85.2377, 73.3524



85.0525, 95.0832, 97.7203



73.5205, 90.0924, 54.0731



17.8815, 20.1929, 20.5455



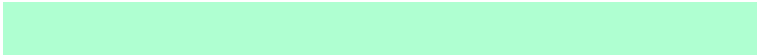
0.0000, 0.0000, 0.0000



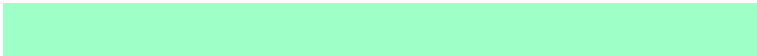
20.3446, 21.4041, 23.3091

Same Dimension

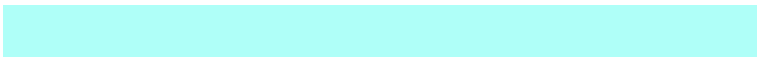
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9485, 85.2377, 73.3524



60.2220, 82.9360, 67.0399



70.4347, 87.4322, 102.2423



18.0919, 20.2963, 20.7871



20.1812, 37.9691, 14.1056



2.0183, 3.7182, 1.6540

Inverse Universe

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



69.6215, 57.1411, 75.7663



65.5981, 50.5935, 69.8035



64.9796, 55.2844, 51.3227



18.4472, 18.1622, 20.9721



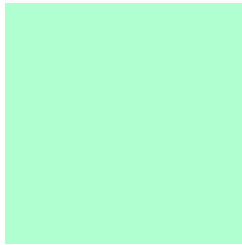
24.3614, 12.2339, 15.8196



2.4267, 1.2130, 1.8283

Previews

White Background



This preview shows how the XYZ color 64.9478, 85.2374, 73.3510 looks on a white background.

Color Contrast Check

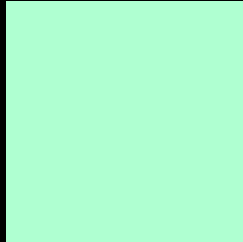
Large Text (above 18pt) WCAG AA × Fail

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 64.9478, 85.2374, 73.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

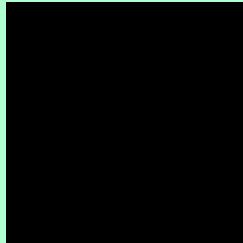
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9478, 85.2374, 73.3510

Background



This preview shows how black text looks on a background with the XYZ color 64.9478, 85.2374, 73.3510.

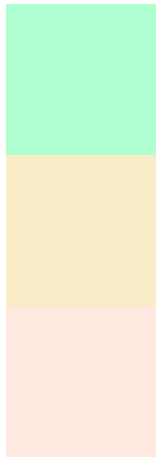


This preview shows how white text looks on a background with the XYZ color 64.9478, 85.2374,

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

64.9478, 85.2374, 73.3510

Protanopia

79.4877, 84.3008, 66.7258

Deuteranopia

83.5512, 84.3550, 82.3995



Tritanopia

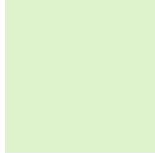
76.3951, 84.8765, 106.9641

Trichromacy



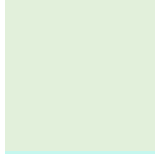
Original Color

64.9478, 85.2374, 73.3510



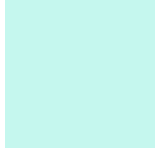
Protanomaly

72.9543, 83.9426, 68.8573



Deuteranomaly

75.3103, 83.6034, 79.1856



Tritanomaly

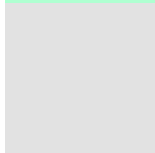
71.7193, 84.5649, 93.4316

Monochromacy



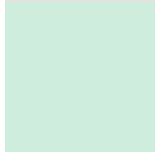
Original Color

64.9478, 85.2374, 73.3510



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9346, 79.0011, 79.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9478, 85.2374, 73.3510 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(175, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 209)  
}
```

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(175, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 64.9478, 85.2374, 73.3510 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(175, 255, 209) }
```


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

```
.border{ border-color:rgb(175, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9478, 85.2374, 73.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 209) }
```

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

```
.background{ background-color: rgb(175,  
255, 209) }
```

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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