

# Converting Colors

XYZ(66.5799, 80.7044, 99.2889)

Have a look what the booklet for  
XYZ(66.5799, 80.7044, 99.2889)  
contains.

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# Color

**XYZ(66.7425, 80.9573,  
99.2974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEF5F6
RGB	174, 245, 246
RGB Percent	68%, 96%, 96%
CMY	0.3176, 0.0392, 0.0353
CMYK	0.29, 0.00, 0.00, 0.04
HSL	181°, 80%, 82%
HSV	181°, 29%, 96%
XYZ	66.7425, 80.9573, 99.2974
YIQ	223.8850, -42.6370, -14.7410

# Conversions

## Conversions Part 2

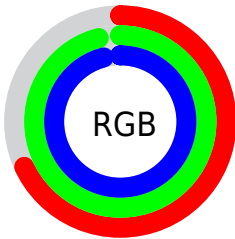
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 210, 246
Decimal	11466230
CIELab	92.11, -21.59, -7.55
CIELCh	92, 22.867, 199.275
Yxy	80.9573, 0.2702, 0.3278
Android (android.graphics.Color)	4289656310 (0xFFAEF5F6)
YUV	223.8850, 10.9027, -43.7491
Hunter-Lab	89.9763, -25.0510, -2.4488

# Details

The XYZ color **66.7425, 80.9573, 99.2974** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.9770, 53.3093, 47.1219**, and the grayscale version is **70.7178, 74.4006, 81.0222**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **35.0996, 44.0348, 55.3648** is the 20% darker color. If you saturate the color by 10%, you get **61.6537, 78.1831, 99.0315**, and if you desaturate by 10%, it is **72.8399, 84.2558, 99.6141**.

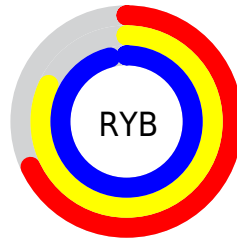
# Distribution



Red (68%)

Green (96%)

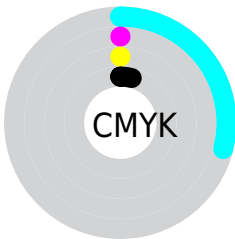
Blue (96%)



Red (68%)

Yellow (82%)

Blue (96%)

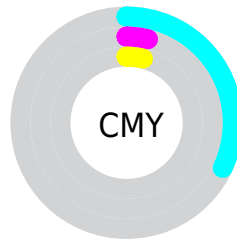


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (32%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7425, 80.9573, 99.2974 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 66.7425, 80.9573, 99.2974 by changing the saturation by 10% instead.



66.7425, 80.9573,  
99.2974

66.7425, 80.9573,  
99.2974

438.4745,  
498.1532, 579.1651

49.1453, 60.5064,  
75.1003

113.6032,  
134.7108, 162.2348

34.9498, 43.8270,  
55.1928

143.5974,  
168.7822, 201.8121

23.7905, 30.5345,  
39.1565

178.4547,  
208.1627, 247.3532

15.3022, 20.2446,  
26.5727

218.5404,  
253.2364, 299.2767

9.1194, 12.5730,  
17.0230

264.2199,  
304.3880, 358.0011

4.8769, 7.1352,  
10.0887

315.8585,

2.2092, 3.5468,

362.0017, 423.9450

5.3515

373.8216,  
426.4620, 497.5268

■ 0.7476, 1.4234,  
2.3926

■ 0.0000, 0.2339,  
0.7824

■ 66.7425, 80.9573,  
99.2974

■ 66.7425, 80.9573,  
99.2974

■ 61.6537, 78.1831,  
99.0315

■ 72.8399, 84.2558,  
99.6141

■ 57.5115, 75.8951,  
98.8082

■ 79.9893, 88.0949,  
99.9783

■ 54.2582, 74.0657,  
98.6265

■ 88.2405, 92.5023,  
100.3941

■ 51.8268, 72.6602,  
98.4834

■ 90.9424, 94.0491,  
100.5503

50.1410, 71.6394,  
98.3752

91.0464, 94.2570,  
100.5849

49.1099, 70.9564,  
98.2977

91.1505, 94.4652,  
100.6196

48.5943, 70.5394,  
98.2444

91.2548, 94.6739,  
100.6544

48.5643, 70.5128,  
98.2409

91.3593, 94.8829,  
100.6892

91.4640, 95.0923,  
100.7241

# Harmonies

## Analogous

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



66.3457, 80.9573, 82.2485



66.7425, 80.9573, 99.2974



69.7911, 80.9573, 115.0911

# Triad

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



66.7425, 80.9573, 99.2974



85.8553, 80.9573, 111.0536



79.0748, 80.9573, 59.9616

# Complementary

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



66.7425, 80.9573, 99.2974



60.9770, 53.3093, 47.1219

# 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.



84.5770, 80.9573, 65.7779



66.7425, 80.9573, 99.2974



88.6225, 80.9573, 94.3247

# Square

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



66.7425, 80.9573, 99.2974



80.7477, 80.9573, 122.4546



88.1430, 80.9573, 77.8674



73.2684, 80.9573, 60.9351

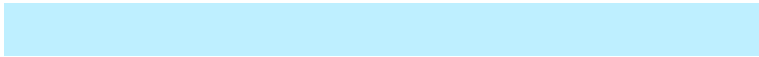


# Rectangle

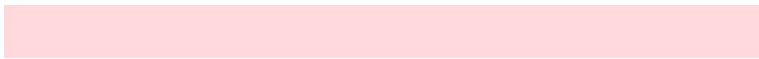
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.7425, 80.9573, 99.2974



73.0081, 80.9573, 122.1055



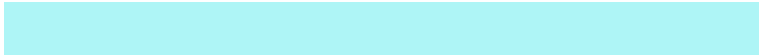
88.1430, 80.9573, 77.8674



81.0261, 80.9573, 61.1548

# Sweetspot

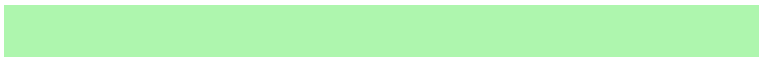
The Sweet Spot groups the original color and five complimentary colors.



66.7449, 80.9605, 99.2993



87.0036, 95.7016, 108.4944



58.0528, 77.9677, 52.0356



18.3637, 20.3455, 23.2092



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

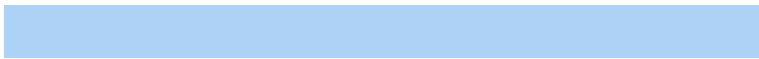
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7449, 80.9605, 99.2993



69.0905, 86.0339, 107.5725



57.1383, 61.7474, 96.0971



16.9759, 18.7161, 21.2604



25.9306, 37.6550, 52.4395



2.2853, 3.3219, 4.6110



# Inverse Universe

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



69.6254, 56.4593, 93.6179



72.6824, 55.5823, 100.4656



68.6941, 68.7436, 49.6943



17.2032, 16.7641, 20.8164



28.8931, 13.9007, 46.2728

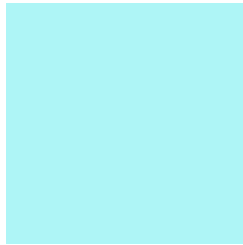


2.5426, 1.2230, 4.0834



# Previews

## White Background



This preview shows how the XYZ color 66.7425, 80.9573, 99.2974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

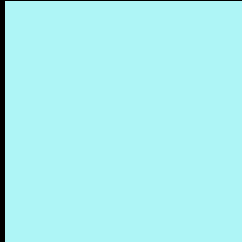
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.7425, 80.9573, 99.2974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

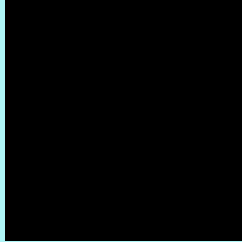
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.7425, 80.9573, 99.2974

## Background



This preview shows how black text looks on a background with the XYZ color 66.7425, 80.9573, 99.2974.



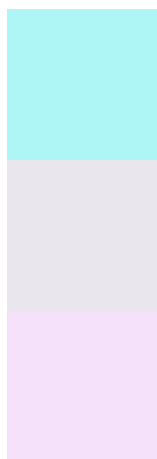
This preview shows how white text looks on a background with the XYZ color 66.7425, 80.9573,



# 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

66.7425, 80.9573, 99.2974

### Protanopia

77.5146, 80.2005, 91.5155

### Deuteranopia

81.8367, 80.1650, 101.6026



## **Tritanopia**

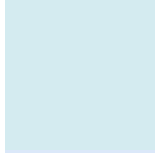
70.9483, 80.7466, 106.4540

# Trichromacy



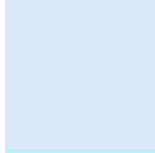
## Original Color

66.7425, 80.9573, 99.2974



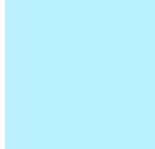
## Protanomaly

72.5879, 79.7050, 93.9969



## Deuteranomaly

75.1689, 79.6128, 101.0275



## Tritanomaly

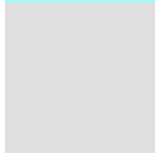
69.3304, 80.8468, 104.0464

# Monochromacy



## Original Color

66.7425, 80.9573, 99.2974



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

68.8757, 76.6612, 87.5109

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.7425, 80.9573, 99.2974 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(174, 245, 246)` looks like.

```
.text, #text, p{  
    color:rgb(174, 245, 246)  
}
```

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(174, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 245, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 66.7425, 80.9573, 99.2974 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(174, 245, 246) }
```



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

```
.border{ border-color:rgb(174, 245, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 245, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(174, 245,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.7425, 80.9573, 99.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 245, 246) }
```

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

```
.background{ background-color: rgb(174,  
245, 246) }
```

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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