

# Converting Colors

XYZ(66.8483, 78.4177, 84.5076)

Have a look what the booklet for  
XYZ(66.8483, 78.4177, 84.5076)  
contains.

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# Color

**XYZ(66.6878, 78.1645,  
84.2455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2EEE3
RGB	194, 238, 227
RGB Percent	76%, 93%, 89%
CMY	0.2392, 0.0666, 0.1098
CMYK	0.18, 0.00, 0.05, 0.07
HSL	165°, 56%, 85%
HSV	165°, 18%, 93%
XYZ	66.6878, 78.1645, 84.2455
YIQ	223.5900, -22.6930, -12.7490

# Conversions

## Conversions Part 2

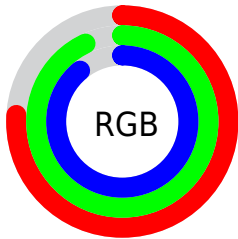
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 219, 238
Decimal	12775139
CIELab	90.85, -16.29, 0.62
CIELCh	91, 16.297, 177.804
Yxy	78.1645, 0.2911, 0.3412
Android (android.graphics.Color)	4290965219 (0xFFC2EEE3)
YUV	223.5900, 1.6811, -25.9504
Hunter-Lab	88.4107, -20.0769, 5.3907

# Details

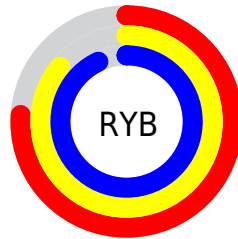
The XYZ color **66.6878, 78.1645, 84.2455** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5739, 61.1705, 66.1119**, and the grayscale version is **70.5608, 74.2355, 80.8424**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **34.9896, 42.0099, 45.2943** is the 20% darker color. If you saturate the color by 10%, you get **60.2550, 74.9437, 79.7315**, and if you desaturate by 10%, it is **74.1317, 81.9075, 88.9583**.

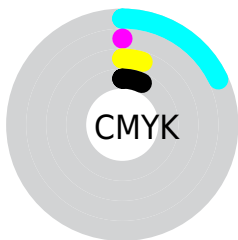
# Distribution



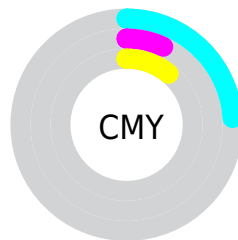
- Red (76%)
- Green (93%)
- Blue (89%)



- Red (76%)
- Yellow (86%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (24%)
- Magenta (7%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6878, 78.1645, 84.2455 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 66.6878, 78.1645, 84.2455 by changing the saturation by 10% instead.



66.6878, 78.1645,  
84.2455

66.6878, 78.1645,  
84.2455

438.2826,  
488.7253, 529.2075

49.1007, 58.2091,  
62.6716

113.5252,  
130.7820, 141.1833

34.9142, 41.9768,  
45.1363

143.5063,  
164.2129, 177.3843

23.7630, 29.0831,  
31.2211

178.3493,  
202.9044, 219.2981

15.2817, 19.1437,  
20.5074

218.4198,  
247.2410, 267.3432

9.1049, 11.7742,  
12.5767

264.0830,  
297.6069, 321.9381

4.8674, 6.5901,  
7.0104

315.7043,

2.2036, 3.2071,

354.3867, 383.5014

3.3901

373.6491,  
417.9647, 452.4517

0.7446, 1.2408,  
1.2971

0.0000, 0.0946,  
0.0594

66.6878, 78.1645,  
84.2455

66.6878, 78.1645,  
84.2455

60.2550, 74.9437,  
79.7315

74.1317, 81.9075,  
88.9583

54.7799, 72.2112,  
75.4075

82.6237, 86.1854,  
93.8683

50.2142, 69.9443,  
71.2713

88.2755, 88.9958,  
98.7965

46.5026, 68.1145,  
67.3188

89.1983, 89.3649,  
103.6558

■ 43.5837, 66.6903,  
63.5456

■ 89.8660, 89.6320,  
107.1720

■ 41.3875, 65.6355,  
59.9469

■ 39.8316, 64.9077,  
56.5172

■ 38.7972, 64.4457,  
53.2492

■ 38.6612, 64.3861,  
52.7680

# Harmonies

## Analogous

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



67.8171, 78.1645, 73.6321



66.6878, 78.1645, 84.2455



67.5332, 78.1645, 96.0839

# Triad

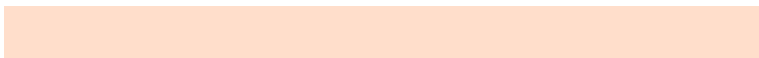
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6878, 78.1645, 84.2455



78.0327, 78.1645, 106.6901



78.5747, 78.1645, 67.3899

# Complementary

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



66.6878, 78.1645, 84.2455



65.5739, 61.1705, 66.1119

# 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.



81.4895, 78.1645, 75.0013



66.6878, 78.1645, 84.2455



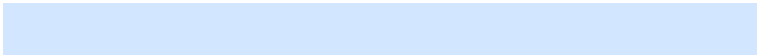
81.1685, 78.1645, 97.7180

# Square

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



66.6878, 78.1645, 84.2455



73.9913, 78.1645, 109.7310



82.4555, 78.1645, 85.9761



74.5956, 78.1645, 64.4747

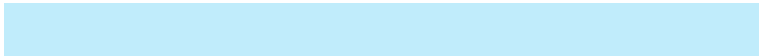


# Rectangle

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



66.6878, 78.1645, 84.2455



69.1209, 78.1645, 102.9614



82.4555, 78.1645, 85.9761



79.7169, 78.1645, 69.4476

# Sweetspot

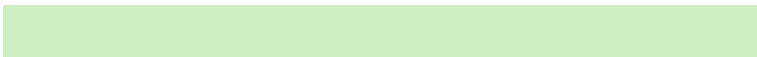
The Sweet Spot groups the original color and five complimentary colors.



66.6900, 78.1677, 84.2473



89.0335, 96.9688, 105.4351



65.6942, 78.1312, 62.6585



18.9225, 20.6877, 22.4878



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

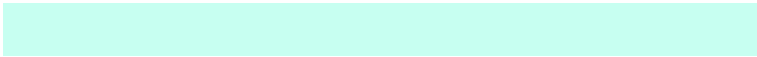


# Same Dimension

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



66.6900, 78.1677, 84.2473



75.1596, 89.9976, 96.6069



65.3533, 72.9855, 91.5359



16.0686, 17.8575, 19.3843



21.6225, 35.9410, 29.7247



1.8382, 3.0057, 2.6805



# Inverse Universe

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



65.5739, 61.1705, 66.1119



73.6416, 66.8613, 71.9272



66.6564, 65.3871, 60.1479



15.9349, 15.8237, 17.2135



20.1629, 10.3376, 3.5082

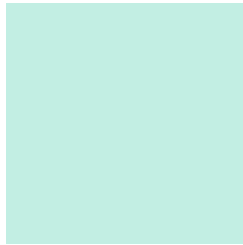


1.7159, 0.8754, 0.4950



# Previews

## White Background



This preview shows how the XYZ color 66.6878, 78.1645, 84.2455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

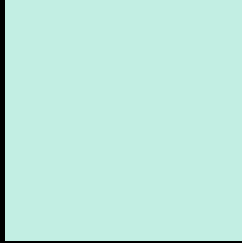
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6878, 78.1645, 84.2455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

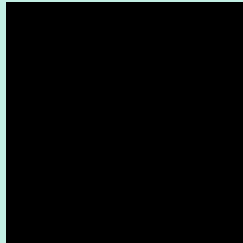
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

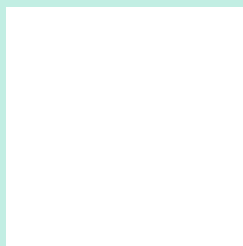
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.6878, 78.1645, 84.2455**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.6878, 78.1645, 84.2455.



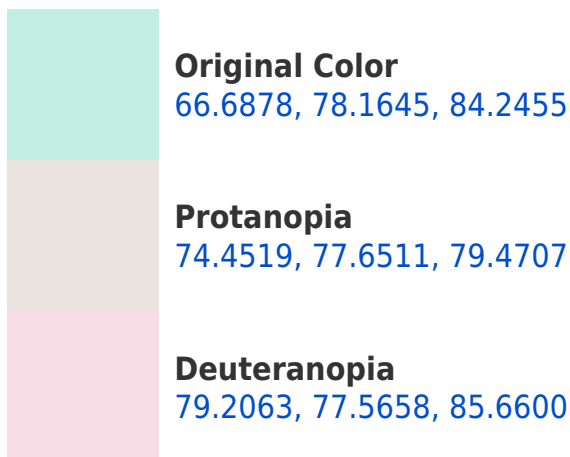
This preview shows how white text looks on a background with the XYZ color 66.6878, 78.1645,



# 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

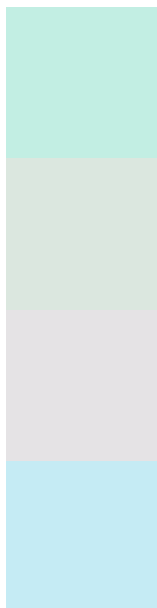




## **Tritanopia**

70.7056, 78.0796, 104.2728

# Trichromacy



## Original Color

66.6878, 78.1645, 84.2455

## Protanomaly

71.1086, 77.5396, 81.0309

## Deuteranomaly

73.9250, 77.2533, 85.1439

## Tritanomaly

69.0634, 77.8186, 96.9684

# Monochromacy



## Original Color

66.6878, 78.1645, 84.2455

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.0505, 75.6210, 82.1911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6878, 78.1645, 84.2455 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(194, 238, 227)` looks like.

```
.text, #text, p{  
    color:rgb(194, 238, 227)  
}
```

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(194, 238, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 238, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6878, 78.1645, 84.2455 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(194, 238, 227) }
```



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

```
.border{ border-color:rgb(194, 238, 227) }
```

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

Here you see how a box with a 4 pixel rgb(194, 238, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 238, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 238, 227);  
box-shadow:4px 4px 4px 4px rgb(194, 238,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6878, 78.1645, 84.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 238, 227) }
```

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

```
.background{ background-color: rgb(194,  
238, 227) }
```

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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