

# Converting Colors

XYZ(65.2347, 74.1251, 78.2729)

Have a look what the booklet for  
XYZ(65.2347, 74.1251, 78.2729)  
contains.

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# Color

**XYZ(65.3025, 74.1784,  
78.5862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E6DC
RGB	201, 230, 220
RGB Percent	79%, 90%, 86%
CMY	0.2118, 0.0980, 0.1372
CMYK	0.13, 0.00, 0.04, 0.10
HSL	159°, 37%, 85%
HSV	159°, 13%, 90%
XYZ	65.3025, 74.1784, 78.5862
YIQ	220.1890, -14.0740, -9.2580

# Conversions

## Conversions Part 2

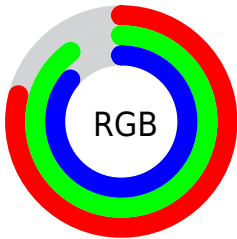
Format	Color
R <sub>Y</sub> B	201, 219, 230
Decimal	13231836
CIE Lab	89.01, -11.42, 1.64
CIE LCh	89, 11.535, 171.802
Yxy	74.1784, 0.2995, 0.3402
Android (android.graphics.Color)	4291421916 (0xFFC9E6DC)
YUV	220.1890, -0.0932, -16.8288
Hunter-Lab	86.1269, -15.3811, 6.1898

# Details

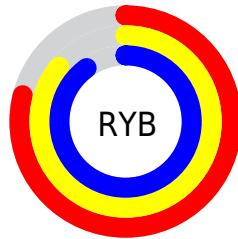
The XYZ color **65.3025, 74.1784, 78.5862** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2803, 63.3014, 70.4092**, and the grayscale version is **68.1688, 71.7189, 78.1019**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9602, 39.1918, 41.3722** is the 20% darker color. If you saturate the color by 10%, you get **58.5510, 70.8184, 72.9162**, and if you desaturate by 10%, it is **73.0339, 78.0418, 84.5655**.

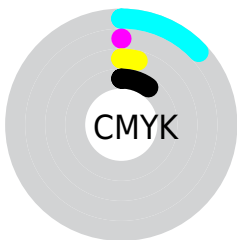
# Distribution



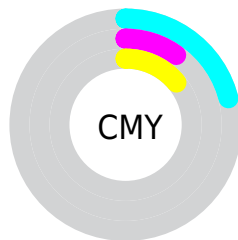
- Red (79%)
- Green (90%)
- Blue (86%)



- Red (79%)
- Yellow (86%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3025, 74.1784, 78.5862 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 65.3025, 74.1784, 78.5862 by changing the saturation by 10% instead.



65.3025, 74.1784,  
78.5862

65.3025, 74.1784,  
78.5862

433.4063,  
475.0889, 509.7359

47.9720, 54.9401,  
58.0363

111.5479,  
125.1487, 133.1695

34.0159, 39.3537,  
41.4230

141.1936,  
157.6494, 168.0401

23.0688, 27.0350,  
28.3275

175.6750,  
195.3397, 208.5213

14.7653, 17.5995,  
18.3315

215.3576,  
238.6040, 255.0317

8.7400, 10.6629,  
11.0164

260.6067,  
287.8267, 307.9898

4.6278, 5.8406,  
5.9635

311.7876,

2.0630, 2.7484,

343.3921, 367.8142

2.7545

369.2656,  
405.6847, 434.9234

0.6690, 1.0018,  
0.9707

0.0000, 0.0000,  
0.0000

65.3025, 74.1784,  
78.5862

65.3025, 74.1784,  
78.5862

58.5510, 70.8184,  
72.9162

73.0339, 78.0418,  
84.5655

52.7313, 67.9312,  
67.5449

81.7781, 82.4195,  
90.8544

47.8009, 65.4967,  
62.4684

85.8370, 84.3759,  
97.1913

43.7111, 63.4900,  
57.6806

87.0666, 84.8677,  
103.6664

■ 40.4085, 61.8838,  
53.1752

■ 87.5882, 85.0763,  
106.4127

■ 37.8333, 60.6472,  
48.9455

■ 35.9166, 59.7448,  
44.9842

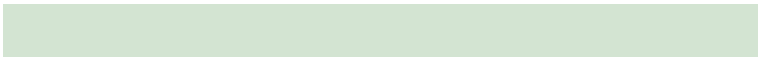
■ 34.5757, 59.1341,  
41.2835

■ 33.8577, 58.8202,  
38.7090

# Harmonies

## Analogous

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



66.3525, 74.1784, 71.5924



65.3025, 74.1784, 78.5862



65.6170, 74.1784, 86.6379

# Triad

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



65.3025, 74.1784, 78.5862



72.5253, 74.1784, 95.9657



73.8905, 74.1784, 69.2329

# Complementary

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



65.3025, 74.1784, 78.5862



65.2803, 63.3014, 70.4092

# 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.



75.6285, 74.1784, 75.1688



65.3025, 74.1784, 78.5862



74.8259, 74.1784, 90.6951

# Square

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



65.3025, 74.1784, 78.5862



69.7385, 74.1784, 97.0314



75.9753, 74.1784, 82.9891



71.2758, 74.1784, 66.4311



# Rectangle

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



65.3025, 74.1784, 78.5862



66.5619, 74.1784, 91.5009



75.9753, 74.1784, 82.9891



74.5995, 74.1784, 70.9084

# Sweetspot

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



65.3046, 74.1815, 78.5878



90.8351, 97.8920, 105.7732



65.7489, 74.6850, 66.2099



19.2777, 20.8706, 22.5155



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

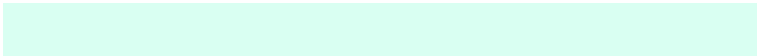


# Same Dimension

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



65.3046, 74.1815, 78.5878



80.2991, 92.6327, 97.5005



65.4740, 72.3362, 85.3779



14.5852, 16.2475, 17.3464



19.2271, 33.3229, 22.2281



1.4641, 2.4798, 1.8706



# Inverse Universe

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



65.2803, 63.3014, 70.4092



80.2633, 76.4669, 85.3499



65.0933, 64.8724, 64.3504



14.5812, 14.4496, 15.9948



19.3327, 9.8673, 5.3808

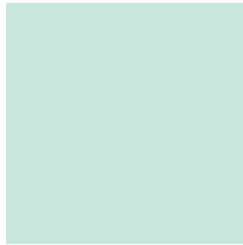


1.4711, 0.7462, 0.6213



# Previews

## White Background



This preview shows how the XYZ color 65.3025, 74.1784, 78.5862 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 65.3025, 74.1784, 78.5862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

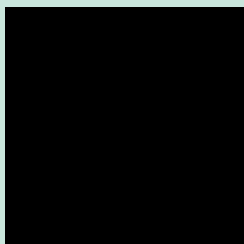
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

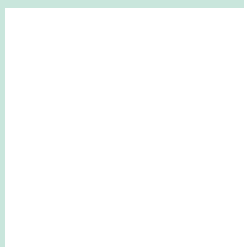
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.3025, 74.1784, 78.5862

## Background



This preview shows how black text looks on a background with the XYZ color 65.3025, 74.1784, 78.5862.



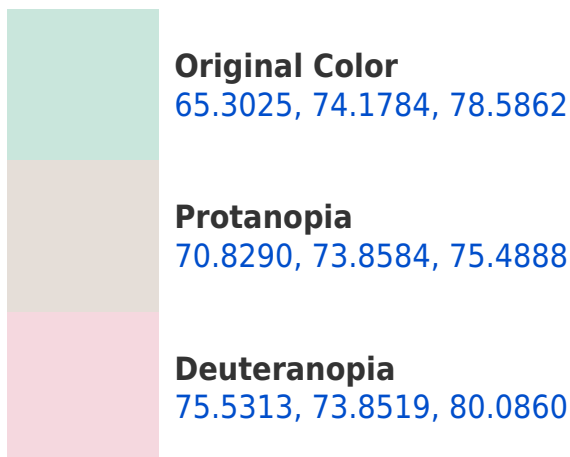
This preview shows how white text looks on a background with the XYZ color 65.3025, 74.1784,



# 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

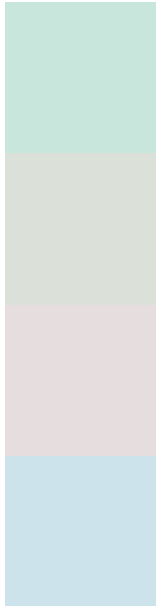




## **Tritanopia**

68.7023, 73.9035, 96.2318

# Trichromacy



## Original Color

65.3025, 74.1784, 78.5862

## Protanomaly

68.6630, 73.9203, 76.2947

## Deuteranomaly

71.3544, 73.6448, 79.5613

## Tritanomaly

67.3663, 73.7737, 89.2864

# Monochromacy



## Original Color

65.3025, 74.1784, 78.5862

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.0145, 72.6248, 78.1961

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3025, 74.1784, 78.5862 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(201, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 220)  
}
```

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(201, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3025, 74.1784, 78.5862 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(201, 230, 220) }
```



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

```
.border{ border-color:rgb(201, 230, 220) }
```

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

Here you see how a box with a 4 pixel rgb(201, 230, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 230, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 230, 220);  
box-shadow:4px 4px 4px 4px rgb(201, 230,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3025, 74.1784, 78.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 220) }
```

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

```
.background{ background-color: rgb(201,  
230, 220) }
```

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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