

# Converting Colors

XYZ(66.8838, 74.1671, 77.5543)

Have a look what the booklet for  
XYZ(66.8838, 74.1671, 77.5543)  
contains.

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# Color

**XYZ(66.8241, 74.1566,  
77.8095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E4DB
RGB	209, 228, 219
RGB Percent	82%, 89%, 86%
CMY	0.1804, 0.1059, 0.1412
CMYK	0.08, 0.00, 0.04, 0.11
HSL	152°, 26%, 86%
HSV	152°, 8%, 89%
XYZ	66.8241, 74.1566, 77.8095
YIQ	221.2930, -8.4350, -6.8270

# Conversions

## Conversions Part 2

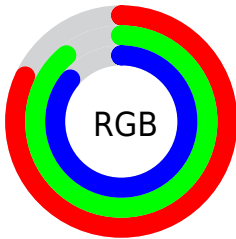
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">209, 221, 228</a>
Decimal	<a href="#">13755611</a>
CIELab	<a href="#">89.00, -7.97, 2.22</a>
CIELCh	<a href="#">89, 8.275, 164.438</a>
Yxy	<a href="#">74.1566, 0.3054, 0.3389</a>
Android (android.graphics.Color)	<a href="#">4291945691</a> ( <a href="#">0xFFD1E4DB</a> )
YUV	<a href="#">221.2930, -1.1304, -10.7810</a>
Hunter-Lab	<a href="#">86.1142, -12.1850, 6.7078</a>

# Details

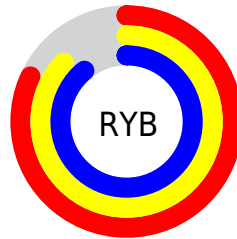
The XYZ color **66.8241, 74.1566, 77.8095** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.4530, 67.1588, 75.7410**, and the grayscale version is **68.9468, 72.5374, 78.9932**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1620, 39.5360, 40.8999** is the 20% darker color. If you saturate the color by 10%, you get **59.4531, 70.5178, 70.2809**, and if you desaturate by 10%, it is **75.2148, 78.3145, 85.8707**.

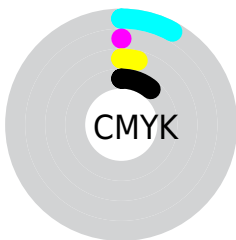
# Distribution



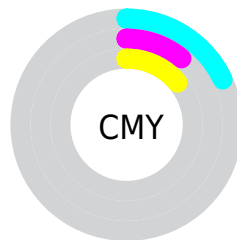
- Red (82%)
- Green (89%)
- Blue (86%)



- Red (82%)
- Yellow (87%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8241, 74.1566, 77.8095 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 66.8241, 74.1566, 77.8095 by changing the saturation by 10% instead.



■ 66.8241, 74.1566,  
77.8095

■ 66.8241, 74.1566,  
77.8095

438.7607,  
475.0137, 507.0304

■ 49.2119, 54.9222,  
57.4020

113.7195,  
125.1178, 132.0650

■ 35.0028, 39.3395,  
40.9166

143.7334,  
157.6134, 166.7500

■ 23.8316, 27.0239,  
27.9347

178.6119,  
195.2981, 207.0313

■ 15.3328, 17.5912,  
18.0378

218.7203,  
238.5565, 253.3274

■ 9.1411, 10.6569,  
10.8074

264.4241,  
287.7728, 306.0568

■ 4.8912, 5.8366,  
5.8249

316.0885,

■ 2.2177, 2.7460,

343.3315, 365.6380

2.6719

374.0789,  
405.6170, 432.4897

■ 0.7520, 1.0006,  
0.9292

■ 0.0000, 0.0000,  
0.0000

■ 66.8241, 74.1566,  
77.8095

■ 66.8241, 74.1566,  
77.8095

■ 59.4531, 70.5178,  
70.2809

■ 75.2148, 78.3145,  
85.8707

■ 53.0548, 67.3680,  
63.2691

■ 84.6573, 83.0017,  
94.4703

■ 47.5877, 64.6879,  
56.7642

■ 86.4620, 83.7405,  
103.2117

■ 43.0047, 62.4535,  
50.7546

■ 87.0348, 83.9696,  
106.2283

■ 39.2546, 60.6387,  
45.2278

■ 36.2805, 59.2143,  
40.1709

■ 34.0178, 58.1474,  
35.5703

■ 32.3911, 57.3991,  
31.4112

■ 31.2916, 56.9138,  
27.6771

# Harmonies

## Analogous

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



67.8110, 74.1566, 73.0928



66.8241, 74.1566, 77.8095



66.8052, 74.1566, 83.5365

# Triad

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



66.8241, 74.1566, 77.8095



71.4521, 74.1566, 91.9493



73.2805, 74.1566, 73.2365

# Complementary

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



66.8241, 74.1566, 77.8095



67.4530, 67.1588, 75.7410

# 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.



74.2947, 74.1566, 78.0143



66.8241, 74.1566, 77.8095



73.2255, 74.1566, 88.9112

# Square

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



66.8241, 74.1566, 77.8095



69.4514, 74.1566, 91.8880



74.2744, 74.1566, 83.7512



71.5260, 74.1566, 70.5394



# Rectangle

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



66.8241, 74.1566, 77.8095



67.3426, 74.1566, 87.1694



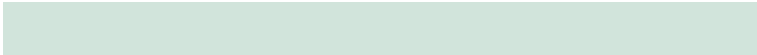
74.2744, 74.1566, 83.7512



73.7208, 74.1566, 74.6423

# Sweetspot

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



66.8262, 74.1597, 77.8111



91.7132, 98.3466, 105.7265



68.2230, 75.0274, 71.2087



19.4439, 20.9579, 22.4506



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

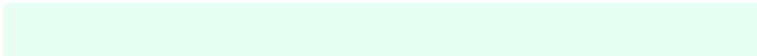


# Same Dimension

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



66.8262, 74.1597, 77.8111



84.3983, 94.7265, 98.5654



67.9570, 74.4728, 84.1955



14.5046, 16.2153, 16.9220



18.0373, 32.8470, 15.9627



1.3798, 2.4460, 1.4265



# Inverse Universe

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



67.4530, 67.1588, 75.7410



85.3621, 83.9614, 95.3822



66.3840, 66.8557, 69.7283



14.6599, 14.4811, 16.4092



20.0977, 10.1733, 9.4094

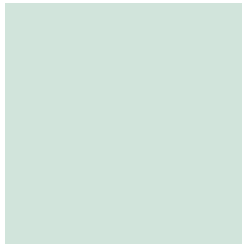


1.5318, 0.7704, 0.9410



# Previews

## White Background



This preview shows how the XYZ color 66.8241, 74.1566, 77.8095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

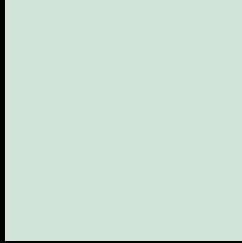
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8241, 74.1566, 77.8095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

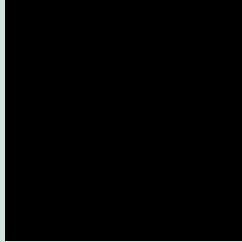
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

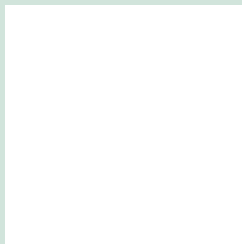
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.8241, 74.1566, 77.8095

## Background



This preview shows how black text looks on a background with the XYZ color 66.8241, 74.1566, 77.8095.



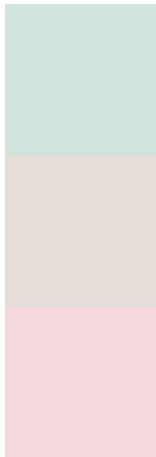
This preview shows how white text looks on a background with the XYZ color 66.8241, 74.1566,



# 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

66.8241, 74.1566, 77.8095

### Protanopia

70.8290, 73.8584, 75.4888

### Deuteranopia

75.2632, 73.7447, 78.6740



## Tritanopia

70.1232, 73.8682, 94.5665

# Trichromacy



## Original Color

66.8241, 74.1566, 77.8095

## Protanomaly

69.3042, 73.8507, 76.2475

## Deuteranomaly

71.7902, 73.5095, 78.1152

## Tritanomaly

68.9279, 73.7880, 88.4515

# Monochromacy



## Original Color

66.8241, 74.1566, 77.8095

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.1892, 73.2303, 78.2511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8241, 74.1566, 77.8095 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(209, 228, 219) looks like.

```
.text, #text, p{  
    color:rgb(209, 228, 219)  
}
```

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(209, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 228, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8241, 74.1566, 77.8095 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(209, 228, 219) }
```



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

```
.border{ border-color:rgb(209, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(209, 228,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8241, 74.1566, 77.8095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 228, 219) }
```

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

```
.background{ background-color: rgb(209,  
228, 219) }
```

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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