

# Converting Colors

XYZ(64.1047, 73.3771, 66.0233)

Have a look what the booklet for  
XYZ(64.1047, 73.3771, 66.0233)  
contains.

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# Color

**XYZ(64.0155, 73.3775,  
66.0476)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEE5C9
RGB	206, 229, 201
RGB Percent	81%, 90%, 79%
CMY	0.1922, 0.1019, 0.2118
CMYK	0.10, 0.00, 0.12, 0.10
HSL	109°, 35%, 84%
HSV	109°, 12%, 90%
XYZ	64.0155, 73.3775, 66.0476
YIQ	218.9310, -4.7200, -13.5840

# Conversions

## Conversions Part 2

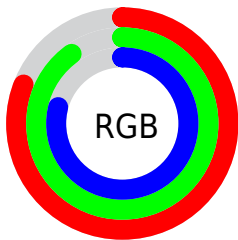
Format	Color
R <sub>Y</sub> B	201, 229, 224
Decimal	13559241
CIE Lab	88.63, -12.70, 11.09
CIE LCh	89, 16.860, 138.871
Yxy	73.3775, 0.3147, 0.3607
Android (android.graphics.Color)	4291749321 (0xFFCEE5C9)
YUV	218.9310, -8.8400, -11.3405
Hunter-Lab	85.6607, -16.5104, 14.2476

# Details

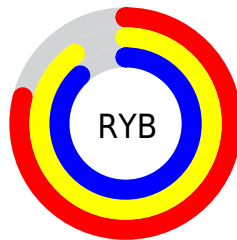
The XYZ color **64.0155, 73.3775, 66.0476** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.7729, 63.2798, 82.8802**, and the grayscale version is **67.3475, 70.8548, 77.1609**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3514, 39.0541, 33.3841** is the 20% darker color. If you saturate the color by 10%, you get **56.6066, 69.8486, 52.6714**, and if you desaturate by 10%, it is **72.4552, 77.3956, 81.5716**.

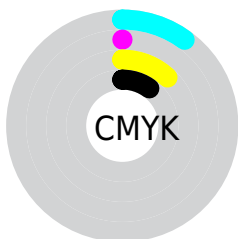
# Distribution



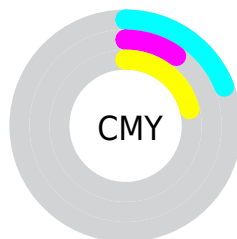
- Red (81%)
- Green (90%)
- Blue (79%)



- Red (79%)
- Yellow (90%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0155, 73.3775, 66.0476 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 64.0155, 73.3775, 66.0476 by changing the saturation by 10% instead.



■ 64.0155, 73.3775,  
66.0476

■ 64.0155, 73.3775,  
66.0476

428.8469,  
472.3221, 464.9560

■ 46.9250, 54.2847,  
47.8543

109.7069,  
124.0130, 115.1823

■ 33.1840, 38.8293,  
33.3524

139.0384,  
156.3244, 146.9608

■ 22.4274, 26.6270,  
22.1232

173.1810,  
193.8109, 184.1048

■ 14.2896, 17.2933,  
13.7483

212.5000,  
236.8568, 227.0328

■ 8.4054, 10.4438,  
7.8090

257.3607,  
285.8464, 276.1634

■ 4.4094, 5.6942,  
3.8870

308.1285,

■ 1.9363, 2.6600,

341.1643, 331.9151

1.5636

365.1688,  
403.1947, 394.7064

■ 0.5978, 0.9569,  
0.2646

■ 0.0000, 0.0000,  
0.0000

■ 64.0155, 73.3775,  
66.0476

■ 64.0155, 73.3775,  
66.0476

■ 56.6066, 69.8486,  
52.6714

■ 72.4552, 77.3956,  
81.5716

■ 50.1828, 66.7811,  
41.3439

■ 81.9572, 81.9109,  
99.3270

■ 44.7039, 64.1585,  
31.9653

■ 87.3108, 84.5216,  
106.3203

■ 40.1244, 61.9599,  
24.4257

■ 36.3952, 60.1623,  
18.6042

■ 33.4620, 58.7410,  
14.3653

■ 31.2642, 57.6680,  
11.5535

■ 29.7316, 56.9111,  
9.9815

■ 28.9306, 56.5106,  
9.3828

# Harmonies

## Analogous

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



67.2436, 73.3775, 60.5169



64.0155, 73.3775, 66.0476



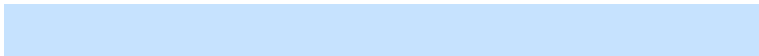
62.3460, 73.3775, 75.6491

# Triad

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



64.0155, 73.3775, 66.0476



68.2441, 73.3775, 103.9542



77.4099, 73.3775, 72.8667

# Complementary

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



64.0155, 73.3775, 66.0476



65.7729, 63.2798, 82.8802

# 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.



77.7033, 73.3775, 84.2982



64.0155, 73.3775, 66.0476



72.3038, 73.3775, 103.0240

# Square

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



64.0155, 73.3775, 66.0476



64.7234, 73.3775, 97.9856



75.8026, 73.3775, 95.5554



75.0158, 73.3775, 64.1815



# Rectangle

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



64.0155, 73.3775, 66.0476



62.2964, 73.3775, 83.4003



75.8026, 73.3775, 95.5554



77.7608, 73.3775, 76.4905

# Sweetspot

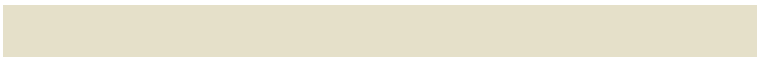
The Sweet Spot groups the original color and five complimentary colors.



64.0175, 73.3806, 66.0492



90.4351, 97.8057, 100.3381



69.4787, 74.1182, 65.9037



19.1763, 20.8486, 21.1429



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

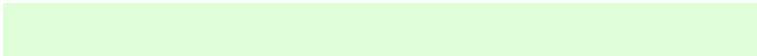


# Same Dimension

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



64.0175, 73.3806, 66.0492



78.8619, 92.2968, 79.1339



63.7252, 73.1059, 71.6398



14.4281, 16.2122, 15.2733



16.6116, 32.3451, 5.3677



1.2978, 2.4264, 0.3999



# Inverse Universe

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



65.7729, 63.2798, 82.8802



81.5706, 76.7047, 105.1140



66.1383, 63.6076, 76.5973



14.7295, 14.4783, 18.1626



20.0531, 9.4036, 43.1413



1.5481, 0.7290, 3.1911



# Previews

## White Background



This preview shows how the XYZ color 64.0155, 73.3775, 66.0476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

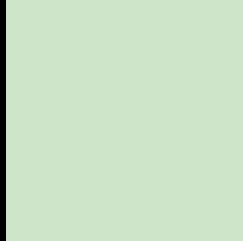
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0155, 73.3775, 66.0476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

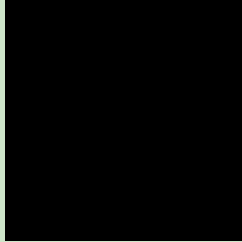
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

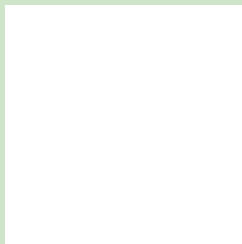
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.0155, 73.3775, 66.0476

## Background



This preview shows how black text looks on a background with the XYZ color 64.0155, 73.3775, 66.0476.



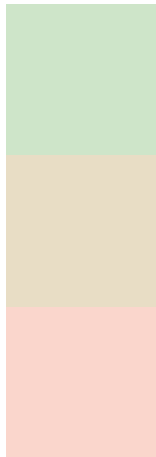
This preview shows how white text looks on a background with the XYZ color 64.0155, 73.3775,



# 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

64.0155, 73.3775, 66.0476

### Protanopia

69.2132, 72.8999, 63.2465

### Deuteranopia

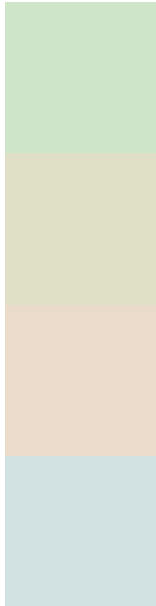
74.3700, 72.7768, 67.2543



## Tritanopia

69.4162, 73.1233, 93.6747

# Trichromacy



## Original Color

64.0155, 73.3775, 66.0476

## Protanomaly

67.2801, 73.0765, 63.9852

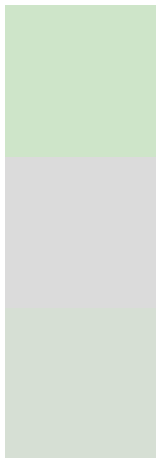
## Deuteranomaly

70.0427, 72.4673, 66.7958

## Tritanomaly

67.2310, 73.0431, 82.5068

# Monochromacy



## Original Color

64.0155, 73.3775, 66.0476

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.0029, 71.8250, 72.6722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0155, 73.3775, 66.0476 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(206, 229, 201)` looks like.

```
.text, #text, p{  
    color:rgb(206, 229, 201)  
}
```

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(206, 229, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 229, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0155, 73.3775, 66.0476 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(206, 229, 201) }
```



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

```
.border{ border-color:rgb(206, 229, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 229, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 229, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 229, 201);  
box-shadow:4px 4px 4px 4px rgb(206, 229,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0155, 73.3775, 66.0476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 229, 201) }
```

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

```
.background{ background-color: rgb(206,  
229, 201) }
```

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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