

# Converting Colors

XYZ(66.8556, 73.7917, 66.2558)

Have a look what the booklet for  
XYZ(66.8556, 73.7917, 66.2558)  
contains.

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# Color

**XYZ(66.6524, 73.5152,  
65.9352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE2C9
RGB	218, 226, 201
RGB Percent	85%, 89%, 79%
CMY	0.1451, 0.1137, 0.2118
CMYK	0.04, 0.00, 0.11, 0.11
HSL	79°, 30%, 84%
HSV	79°, 11%, 89%
XYZ	66.6524, 73.5152, 65.9352
YIQ	220.7580, 3.2570, -9.4710

# Conversions

## Conversions Part 2

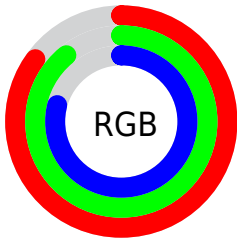
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 226, 209
Decimal	14344905
CIE Lab	88.69, -7.04, 11.30
CIE LCh	89, 13.315, 121.943
Yxy	73.5152, 0.3234, 0.3567
Android (android.graphics.Color)	4292534985 (0xFFDAE2C9)
YUV	220.7580, -9.7407, -2.4188
Hunter-Lab	85.7410, -11.2864, 14.4244

# Details

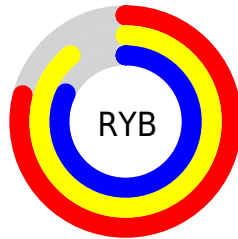
The XYZ color **66.6524, 73.5152, 65.9352** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.9115, 60.8216, 80.4848**, and the grayscale version is **68.6238, 72.1975, 78.6231**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9336, 39.0189, 33.2940** is the 20% darker color. If you saturate the color by 10%, you get **62.0710, 71.4405, 52.8489**, and if you desaturate by 10%, it is **71.7235, 75.8015, 81.0894**.

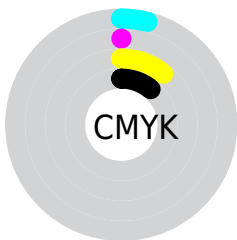
# Distribution



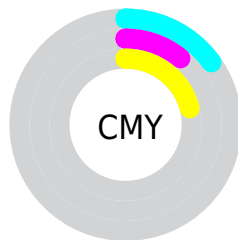
- Red (85%)
- Green (89%)
- Blue (79%)



- Red (79%)
- Yellow (89%)
- Blue (82%)



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



- Cyan (15%)
- Magenta (11%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6524, 73.5152, 65.9352 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 66.6524, 73.5152, 65.9352 by changing the saturation by 10% instead.



66.6524, 73.5152,  
65.9352

66.6524, 73.5152,  
65.9352

438.1584,  
472.7985, 464.5430

49.0719, 54.3973,  
47.7637

113.4747,  
124.2083, 115.0194

34.8913, 38.9194,  
33.2811

143.4473,  
156.5524, 146.7692

23.7452, 26.6970,  
22.0690

178.2811,  
194.0740, 183.8821

15.2685, 17.3458,  
13.7088

218.3417,  
237.1575, 226.7768

9.0956, 10.4814,  
7.7820

263.9944,  
286.1873, 275.8716

4.8612, 5.7193,  
3.8700

315.6045,

2.2000, 2.6751,

341.5478, 331.5852

1.5543

373.5374,  
403.6234, 394.3362

■ 0.7427, 0.9646,  
0.2579

■ 0.0000, 0.0000,  
0.0000

■ 66.6524, 73.5152,  
65.9352

■ 66.6524, 73.5152,  
65.9352

■ 62.0710, 71.4405,  
52.8489

■ 71.7235, 75.8015,  
81.0894

■ 57.9551, 69.5604,  
41.7360

■ 77.2955, 78.2967,  
98.3909

■ 54.2872, 67.8701,  
32.5018

■ 81.0834, 80.0896,  
105.7930

■ 51.0464, 66.3611,  
25.0421

■ 83.5850, 81.3792,  
105.9101

■ 48.2094, 65.0241,  
19.2423

■ 86.1856, 82.7199,  
106.0318

■ 45.7509, 63.8486,  
14.9744

■ 86.4878, 82.8757,  
106.0459

■ 43.6417, 62.8228,  
12.0920

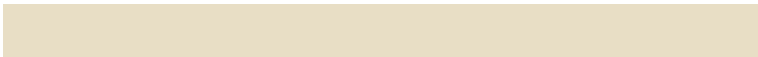
■ 41.8471, 61.9329,  
10.4197

■ 40.4585, 61.2318,  
9.6865

# Harmonies

## Analogous

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



69.6645, 73.5152, 63.6149



66.6524, 73.5152, 65.9352



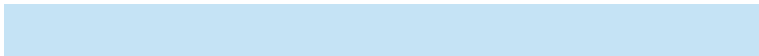
64.5566, 73.5152, 71.9995

# Triad

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



66.6524, 73.5152, 65.9352



67.0050, 73.5152, 96.7174



76.2397, 73.5152, 79.4465

# Complementary

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



66.6524, 73.5152, 65.9352



60.9115, 60.8216, 80.4848

# 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.



75.4757, 73.5152, 88.6698



66.6524, 73.5152, 65.9352



70.0839, 73.5152, 99.0866

# Square

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



66.6524, 73.5152, 65.9352



64.7557, 73.5152, 89.7880



73.1978, 73.5152, 96.0378



75.2551, 73.5152, 71.0346



# Rectangle

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



66.6524, 73.5152, 65.9352



63.9270, 73.5152, 77.5883



73.1978, 73.5152, 96.0378



76.1788, 73.5152, 82.5541

# Sweetspot

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



66.6544, 73.5184, 65.9368



92.9473, 99.0555, 102.4999



64.6893, 65.9482, 64.5792



19.7764, 21.1488, 21.5824



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.



66.6544, 73.5184, 65.9368



86.3676, 96.0884, 82.9967



63.0794, 71.6754, 65.7695



14.4228, 15.7981, 14.5960



23.2091, 34.9972, 5.5319



1.7007, 2.4732, 0.3877



# Inverse Universe

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



60.9115, 60.8216, 80.4848



77.5605, 76.6162, 105.3083



64.5625, 62.7038, 80.6557



13.3631, 13.4552, 17.2805



9.4807, 3.9828, 41.3174

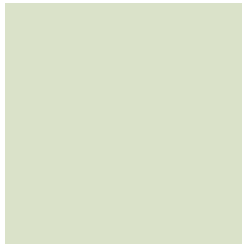


0.7483, 0.3230, 2.8682



# Previews

## White Background



This preview shows how the XYZ color 66.6524, 73.5152, 65.9352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

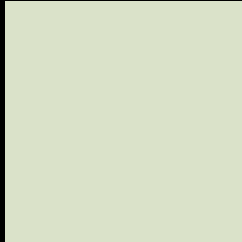
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6524, 73.5152, 65.9352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

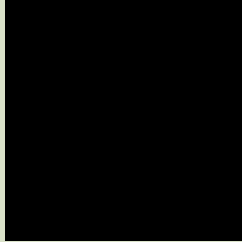
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

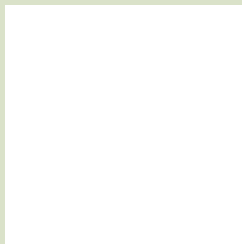
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.6524, 73.5152, 65.9352

## Background



This preview shows how black text looks on a background with the XYZ color 66.6524, 73.5152, 65.9352.



This preview shows how white text looks on a background with the XYZ color 66.6524, 73.5152,



# 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

66.6524, 73.5152, 65.9352

### Protanopia

69.7088, 73.5219, 64.5499

### Deuteranopia

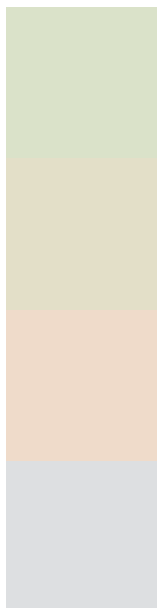
74.8636, 73.4219, 66.7260



## Tritanopia

71.7205, 73.5739, 91.3100

# Trichromacy



## Original Color

66.6524, 73.5152, 65.9352

## Protanomaly

68.4916, 73.2764, 65.1774

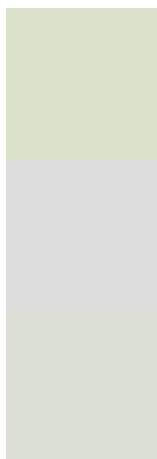
## Deuteranomaly

71.5888, 73.2780, 66.2481

## Tritanomaly

69.7971, 73.5837, 81.7585

# Monochromacy



## Original Color

66.6524, 73.5152, 65.9352

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.0405, 72.8460, 74.0929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6524, 73.5152, 65.9352 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(218, 226, 201) looks like.

```
.text, #text, p{  
    color:rgb(218, 226, 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(218, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 226, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6524, 73.5152, 65.9352 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(218, 226, 201) }
```



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

```
.border{ border-color:rgb(218, 226, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 226, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(218, 226,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6524, 73.5152, 65.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 226, 201) }
```

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

```
.background{ background-color: rgb(218,  
226, 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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