

Converting Colors

XYZ(66.6017, 75.5245, 67.5235)

Have a look what the booklet for
XYZ(66.6017, 75.5245, 67.5235)
contains.

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Color

**XYZ(66.5068, 75.4607,
67.5600)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E7CB
RGB	212, 231, 203
RGB Percent	83%, 91%, 80%
CMY	0.1686, 0.0941, 0.2039
CMYK	0.08, 0.00, 0.12, 0.09
HSL	101°, 37%, 85%
HSV	101°, 12%, 91%
XYZ	66.5068, 75.4607, 67.5600
YIQ	222.1270, -2.3360, -12.7360

Conversions

Conversions Part 2

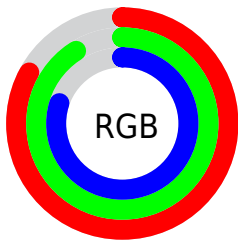
Format	Color
R _Y B	203, 231, 222
Decimal	13952971
CIE Lab	89.61, -11.31, 11.50
CIE LCh	90, 16.132, 134.537
Yxy	75.4607, 0.3174, 0.3601
Android (android.graphics.Color)	4292143051 (0xFFD4E7CB)
YUV	222.1270, -9.4296, -8.8814
Hunter-Lab	86.8681, -15.3584, 14.6960

Details

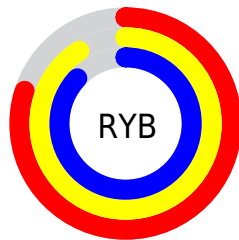
The XYZ color **66.5068, 75.4607, 67.5600** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9070, 64.0131, 84.4874**, and the grayscale version is **69.5884, 73.2124, 79.7283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6594, 39.9980, 34.3274** is the 20% darker color. If you saturate the color by 10%, you get **59.6550, 72.2254, 53.9240**, and if you desaturate by 10%, it is **74.2118, 79.0928, 83.3802**.

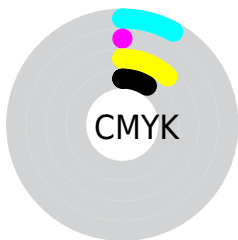
Distribution



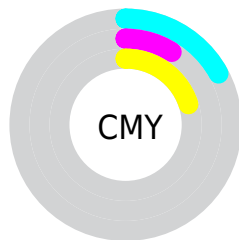
- Red (83%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (17%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5068, 75.4607, 67.5600 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 66.5068, 75.4607, 67.5600 by changing the saturation by 10% instead.

66.5068, 75.4607,
67.5600

66.5068, 75.4607,
67.5600

437.6473,
479.4996, 470.4912

48.9531, 55.9904,
49.0754

113.2671,
126.9643, 117.3707

34.7967, 40.1952,
34.3133

143.2045,
159.7664, 149.5339

23.6721, 27.6908,
22.8551

178.0005,
197.7811, 187.0938

15.2140, 18.0927,
14.2822

218.0205,
241.3930, 230.4688

9.0570, 11.0166,
8.1762

263.6298,
290.9864, 280.0775

4.8358, 6.0780,
4.1185

315.1938,

2.1850, 2.8926,

346.9457, 336.3384

1.6906

373.0779,
409.6553, 399.6701

■ 0.7348, 1.0759,
0.3543

■ 0.0000, 0.0000,
0.0000

■ 66.5068, 75.4607,
67.5600

■ 66.5068, 75.4607,
67.5600

■ 59.6550, 72.2254,
53.9240

■ 74.2118, 79.0928,
83.3802

■ 53.6197, 69.3636,
42.3716

■ 82.7927, 83.1249,
101.4696

■ 48.3706, 66.8639,
32.8014

■ 87.8674, 85.6348,
106.5058

■ 43.8728, 64.7110,
25.1017

■ 40.0888, 62.8881,
19.1498

■ 36.9773, 61.3769,
14.8082

■ 34.4923, 60.1572,
11.9188

■ 32.5802, 59.2056,
10.2914

■ 31.4198, 58.6201,
9.6588

Harmonies

Analogous

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



69.8261, 75.4607, 62.7858



66.5068, 75.4607, 67.5600



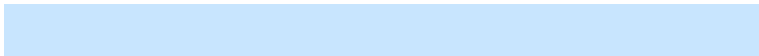
64.6220, 75.4607, 76.4780

Triad

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



66.5068, 75.4607, 67.5600



69.7093, 75.4607, 105.0601



79.3604, 75.4607, 76.8033

Complementary

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



66.5068, 75.4607, 67.5600



65.9070, 64.0131, 84.4874

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.



79.3263, 75.4607, 88.1248



66.5068, 75.4607, 67.5600



73.6542, 75.4607, 105.1677

Square

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



66.5068, 75.4607, 67.5600



66.4240, 75.4607, 98.4521



77.2053, 75.4607, 98.7338



77.2969, 75.4607, 67.7792

Rectangle

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



66.5068, 75.4607, 67.5600



64.3871, 75.4607, 83.9035



77.2053, 75.4607, 98.7338



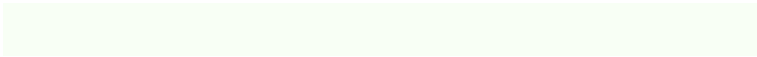
79.5962, 75.4607, 80.4484

Sweetspot

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



66.5089, 75.4639, 67.5616



90.9499, 98.0711, 100.3622



69.7704, 73.3696, 66.9855



19.3062, 20.9155, 21.1489



0.0000, 0.0000, 0.0000



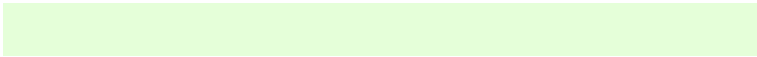
20.3446, 21.4041, 23.3091

Same Dimension

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



66.5089, 75.4639, 67.5616



80.5785, 93.1817, 79.2142



64.5510, 74.3894, 70.4176



14.6232, 16.3128, 15.2824



17.7282, 32.9207, 5.4200



1.4042, 2.4813, 0.4049

Inverse Universe

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



65.9070, 64.0131, 84.4874



79.6598, 75.7196, 105.0246



68.0870, 65.2121, 81.1936



14.5212, 14.3709, 18.1528



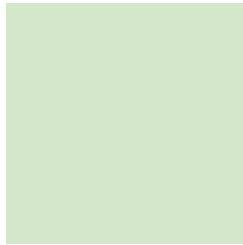
15.9904, 7.3093, 42.9512



1.2775, 0.5896, 3.1784

Previews

White Background



This preview shows how the XYZ color 66.5068, 75.4607, 67.5600 looks on a white background.

Color Contrast Check

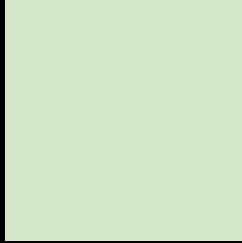
Large Text (above 18pt) WCAG AA × Fail

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 66.5068, 75.4607, 67.5600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

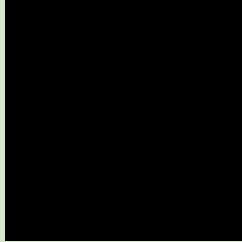
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

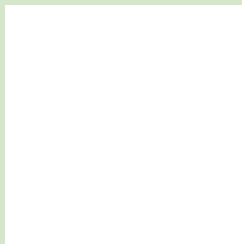
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5068, 75.4607, 67.5600

Background



This preview shows how black text looks on a background with the XYZ color 66.5068, 75.4607, 67.5600.



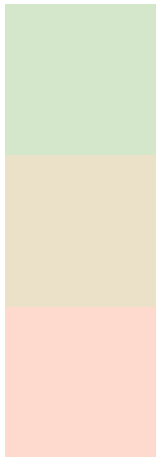
This preview shows how white text looks on a background with the XYZ color 66.5068, 75.4607,

67.5600.

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

66.5068, 75.4607, 67.5600

Protanopia

71.3419, 75.1436, 65.3876

Deuteranopia

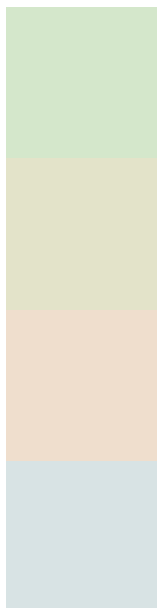
76.8265, 75.1528, 68.8493



Tritanopia

72.0163, 75.2269, 95.5186

Trichromacy



Original Color

66.5068, 75.4607, 67.5600

Protanomaly

69.6903, 75.4861, 66.1555

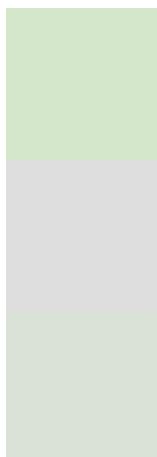
Deuteranomaly

72.7373, 75.0011, 68.4006

Tritanomaly

69.7916, 75.1385, 84.2236

Monochromacy



Original Color

66.5068, 75.4607, 67.5600

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.1044, 73.6622, 74.9187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5068, 75.4607, 67.5600 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(212, 231, 203)` looks like.

```
.text, #text, p{  
    color:rgb(212, 231, 203)  
}
```

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(212, 231, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 231, 203) }
```

Border

The CSS property to change the border of an element to XYZ 66.5068, 75.4607, 67.5600 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(212, 231, 203) }
```


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

```
.border{ border-color:rgb(212, 231, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 231, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 231, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 231, 203);  
box-shadow:4px 4px 4px 4px rgb(212, 231,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5068, 75.4607, 67.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 231, 203) }
```

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

```
.background{ background-color: rgb(212,  
231, 203) }
```

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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