

Converting Colors

XYZ(66.3305, 75.6983, 52.7102)

Have a look what the booklet for
XYZ(66.3305, 75.6983, 52.7102)
contains.

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Color

**XYZ(66.3305, 75.6983,
52.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE7B1
RGB	221, 231, 177
RGB Percent	87%, 91%, 69%
CMY	0.1333, 0.0941, 0.3059
CMYK	0.04, 0.00, 0.23, 0.09
HSL	71°, 53%, 80%
HSV	71°, 23%, 91%
XYZ	66.3305, 75.6983, 52.7102
YIQ	221.8540, 11.3740, -18.9140

Conversions

Conversions Part 2

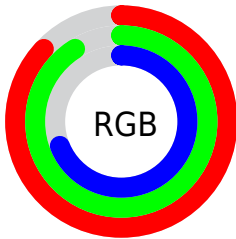
Format	Color
RYB	177, 231, 187
Decimal	14542769
CIELab	89.72, -12.18, 25.24
CIELCh	90, 28.023, 115.773
Yxy	75.6983, 0.3406, 0.3887
Android (android.graphics.Color)	4292732849 (0xFFDDE7B1)
YUV	221.8540, -22.1130, -0.7490
Hunter-Lab	87.0048, -16.1739, 24.9836

Details

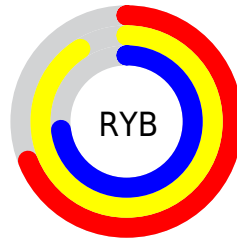
The XYZ color **66.3305, 75.6983, 52.7102** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.6424, 47.7806, 82.1590**, and the grayscale version is **69.4753, 73.0934, 79.5987**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **34.4851, 40.1145, 24.9941** is the 20% darker color. If you saturate the color by 10%, you get **62.9343, 74.1938, 41.5327**, and if you desaturate by 10%, it is **70.1536, 77.3826, 65.9453**.

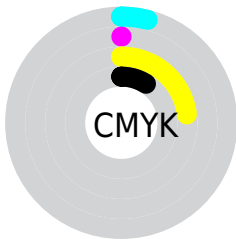
Distribution



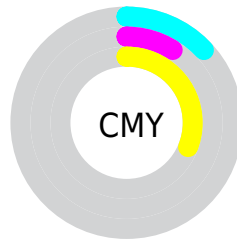
- Red (87%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (73%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3305, 75.6983, 52.7102 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 66.3305, 75.6983, 52.7102 by changing the saturation by 10% instead.

66.3305, 75.6983,
52.7102

66.3305, 75.6983,
52.7102

437.0280,
480.3143, 414.2070

48.8094, 56.1852,
37.1853

113.0157,
127.3003, 95.6150

34.6822, 40.3514,
25.0541

142.9105,
160.1580, 123.8320

23.5836, 27.8126,
15.8980

177.6606,
198.2327, 157.1169

15.1481, 18.1845,
9.2984

217.6313,
241.9087, 195.8881

9.0104, 11.0825,
4.8369

263.1881,
291.5705, 240.5641

4.8051, 6.1224,
2.0948

314.6962,

2.1669, 2.9196,

347.6024, 291.5636

0.6127

372.5211,
410.3889, 349.3050

0.7252, 1.0899,
0.0000

0.0000, 0.0000,
0.0000

66.3305, 75.6983,
52.7102

66.3305, 75.6983,
52.7102

62.9343, 74.1938,
41.5327

70.1536, 77.3826,
65.9453

59.9394, 72.8510,
32.3045

74.4163, 79.2440,
81.3292

57.3261, 71.6646,
24.9151


79.1379, 81.2928,
98.9535


55.0706, 70.6251,
19.2407


81.9276, 82.5729,
106.2279

 53.1464, 69.7219,
15.1423


 83.3828, 83.3230,
106.2960

 51.5227, 68.9425,
12.4593

 84.8723, 84.0909,
106.3657

 50.1623, 68.2721,
10.9972

 86.3965, 84.8767,
106.4370

 49.3677, 67.8728,
10.4988

 87.8675, 85.6350,
106.5058

Harmonies

Analogous

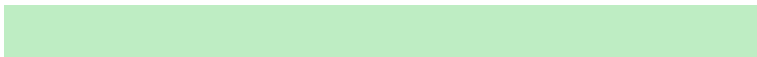
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9318, 75.6983, 50.0269



66.3305, 75.6983, 52.7102



61.5227, 75.6983, 62.8360

Triad

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



66.3305, 75.6983, 52.7102



64.7382, 75.6983, 118.0181



86.0149, 75.6983, 85.2566

Complementary

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



66.3305, 75.6983, 52.7102



50.6424, 47.7806, 82.1590

Split Complementary

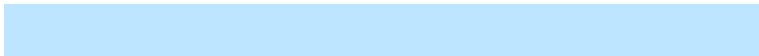
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4912, 75.6983, 105.7072



66.3305, 75.6983, 52.7102



70.9750, 75.6983, 126.4433

Square

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



66.3305, 75.6983, 52.7102



60.6455, 75.6983, 100.0810



77.8761, 75.6983, 121.6138



84.5763, 75.6983, 66.9740

Rectangle

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



66.3305, 75.6983, 52.7102



59.8342, 75.6983, 73.4284



77.8761, 75.6983, 121.6138



85.5976, 75.6983, 92.1228

Sweetspot

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



66.3325, 75.7016, 52.7118



91.1018, 98.2814, 94.4043



58.6425, 55.6637, 49.2494



19.4295, 21.0057, 19.9527



0.0000, 0.0000, 0.0000



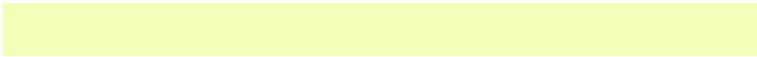
20.3446, 21.4041, 23.3091

Same Dimension

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



66.3325, 75.7016, 52.7118



80.9095, 93.8008, 58.9689



58.7881, 71.8124, 52.3587



15.3261, 16.6752, 15.3153



27.7730, 38.0990, 5.8900



2.1204, 2.8505, 0.4384

Inverse Universe

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



50.6424, 47.7806, 82.1590



58.0885, 53.1822, 101.8113



57.8508, 51.4967, 82.4963



13.8307, 14.0149, 18.1205



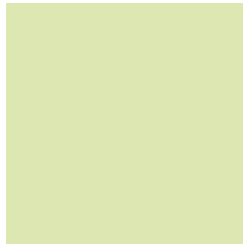
8.7156, 3.5590, 42.6108



0.7158, 0.3000, 3.1521

Previews

White Background



This preview shows how the XYZ color 66.3305, 75.6983, 52.7102 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 66.3305, 75.6983, 52.7102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

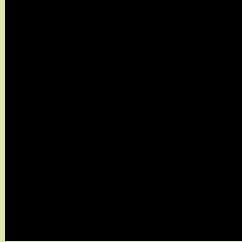
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

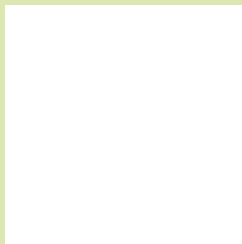
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3305, 75.6983, 52.7102

Background



This preview shows how black text looks on a background with the XYZ color 66.3305, 75.6983, 52.7102.

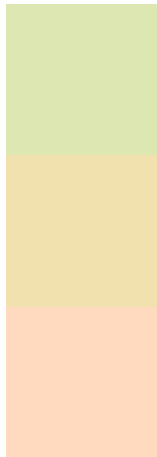


This preview shows how white text looks on a background with the XYZ color 66.3305, 75.6983,

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

66.3305, 75.6983, 52.7102

Protanopia

70.5004, 75.4317, 50.8884

Deuteranopia

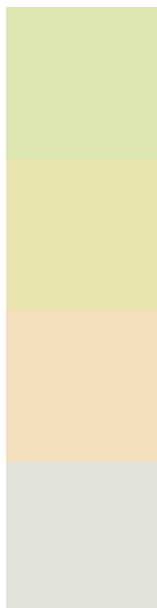
75.7154, 75.1644, 59.8078



Tritanopia

74.7490, 75.8896, 93.1465

Trichromacy



Original Color

66.3305, 75.6983, 52.7102

Protanomaly

68.8112, 75.3570, 51.4760

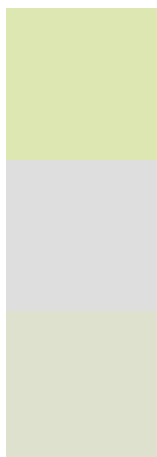
Deuteranomaly

72.2128, 75.3752, 57.1972

Tritanomaly

71.3993, 75.7334, 76.5005

Monochromacy



Original Color

66.3305, 75.6983, 52.7102

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.1900, 73.8363, 69.0503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3305, 75.6983, 52.7102 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(221, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 177)  
}
```

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(221, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 177) }
```

Border

The CSS property to change the border of an element to XYZ 66.3305, 75.6983, 52.7102 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(221, 231, 177) }
```


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

```
.border{ border-color:rgb(221, 231, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 231, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3305, 75.6983, 52.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 177) }
```

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

```
.background{ background-color: rgb(221,  
231, 177) }
```

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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