

Converting Colors

XYZ(66.6045, 76.0264, 64.1333)

Have a look what the booklet for
XYZ(66.6045, 76.0264, 64.1333)
contains.

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Color

**XYZ(66.6662, 76.0406,
63.9869)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E8C5
RGB	214, 232, 197
RGB Percent	84%, 91%, 77%
CMY	0.1608, 0.0902, 0.2274
CMYK	0.08, 0.00, 0.15, 0.09
HSL	91°, 43%, 84%
HSV	91°, 15%, 91%
XYZ	66.6662, 76.0406, 63.9869
YIQ	222.6280, 0.5070, -14.7010

Conversions

Conversions Part 2

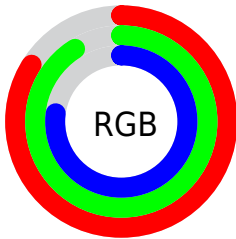
Format	Color
RYB	197, 232, 215
Decimal	14084293
CIELab	89.88, -12.12, 15.03
CIElCh	90, 19.307, 128.897
Yxy	76.0406, 0.3225, 0.3679
Android (android.graphics.Color)	4292274373 (0xFFD6E8C5)
YUV	222.6280, -12.6346, -7.5668
Hunter-Lab	87.2013, -16.1372, 17.5348

Details

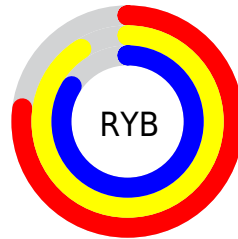
The XYZ color **66.6662, 76.0406, 63.9869** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.5591, 60.2079, 84.6721**, and the grayscale version is **69.9636, 73.6072, 80.1582**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **34.7813, 40.4048, 31.9523** is the 20% darker color. If you saturate the color by 10%, you get **60.8542, 73.3305, 50.8897**, and if you desaturate by 10%, it is **73.1467, 79.0525, 79.2541**.

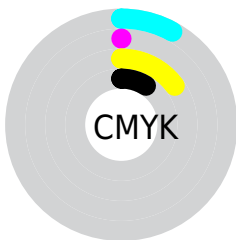
Distribution



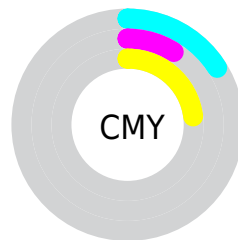
- Red (84%)
- Green (91%)
- Blue (77%)



- Red (77%)
- Yellow (91%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6662, 76.0406, 63.9869 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 66.6662, 76.0406, 63.9869 by changing the saturation by 10% instead.

■ 66.6662, 76.0406,
63.9869

■ 66.6662, 76.0406,
63.9869

438.2069,
481.4867, 457.3485

■ 49.0831, 56.4658,
46.1939

113.4944,
127.7843, 112.1914

■ 34.9002, 40.5765,
32.0491

143.4703,
160.7220, 143.4399

■ 23.7522, 27.9883,
21.1339

178.3077,
198.8827, 180.0108

■ 15.2736, 18.3169,
13.0297

218.3722,
242.6510, 222.3225

■ 9.0992, 11.1777,
7.3180

264.0289,
292.4111, 270.7936

■ 4.8636, 6.1865,
3.5803

315.6434,

■ 2.2014, 2.9588,

348.5475, 325.8426

1.3981

373.5809,
411.4446, 387.8881

■ 0.7435, 1.1103,
0.1402

■ 0.0000, 0.0000,
0.0000

■ 66.6662, 76.0406,
63.9869

■ 66.6662, 76.0406,
63.9869

■ 60.8542, 73.3305,
50.8897

■ 73.1467, 79.0525,
79.2541

■ 55.6804, 70.9021,
39.8592

■ 80.3123, 82.3660,
96.7787

■ 51.1212, 68.7478,
30.7910

■ 86.2613, 85.2236,
106.5111

■ 47.1490, 66.8557,
23.5694

■ 88.1482, 86.1963,
106.5994

■ 43.7334, 65.2132,
18.0668

■ 40.8409, 63.8060,
14.1394

■ 38.4333, 62.6181,
11.6199

■ 36.4648, 61.6304,
10.3028

■ 35.6260, 61.2052,
9.9361

Harmonies

Analogous

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



70.8649, 76.0406, 59.4590



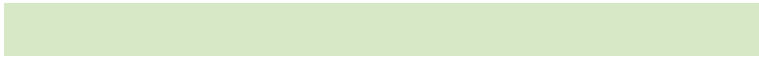
66.6662, 76.0406, 63.9869



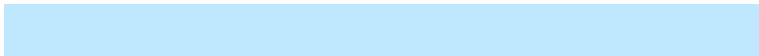
64.0501, 76.0406, 73.6927

Triad

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



66.6662, 76.0406, 63.9869



69.0218, 76.0406, 109.8011



81.7206, 76.0406, 78.7984

Complementary

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



66.6662, 76.0406, 63.9869



62.5591, 60.2079, 84.6721

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.



81.1740, 76.0406, 92.6182



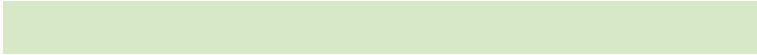
66.6662, 76.0406, 63.9869



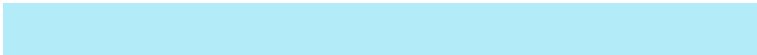
73.7023, 76.0406, 111.5554

Square

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



66.6662, 76.0406, 63.9869



65.3679, 76.0406, 100.4105



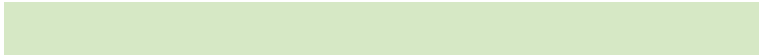
78.1884, 76.0406, 104.9694



79.6508, 76.0406, 67.3710

Rectangle

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



66.6662, 76.0406, 63.9869



63.4858, 76.0406, 82.2908



78.1884, 76.0406, 104.9694



81.8386, 76.0406, 83.3019

Sweetspot

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



66.6682, 76.0439, 63.9885



90.6929, 97.9832, 98.3340



67.5330, 69.5365, 62.6869



19.2846, 20.9134, 20.7419



0.0000, 0.0000, 0.0000



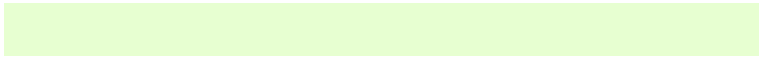
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6682, 76.0439, 63.9885



80.3623, 93.1824, 74.1370



61.9628, 73.6182, 63.7683



14.8522, 16.4309, 15.2931



19.9214, 34.0513, 5.5226



1.5790, 2.5714, 0.4131

Inverse Universe

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



62.5591, 60.2079, 84.6721



74.3844, 70.1447, 104.2265



67.8134, 62.9165, 84.9180



14.2863, 14.2498, 18.1419



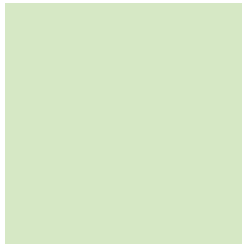
12.4812, 5.5002, 42.7870



1.0295, 0.4617, 3.1668

Previews

White Background



This preview shows how the XYZ color 66.6662, 76.0406, 63.9869 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 66.6662, 76.0406, 63.9869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

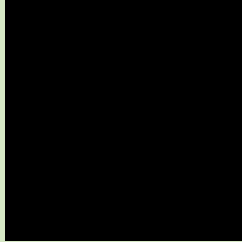
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

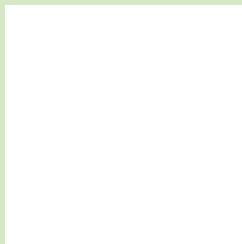
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6662, 76.0406, 63.9869

Background



This preview shows how black text looks on a background with the XYZ color 66.6662, 76.0406, 63.9869.

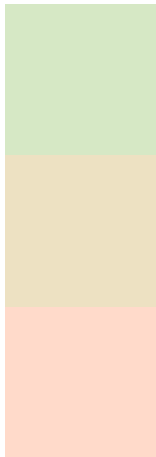


This preview shows how white text looks on a background with the XYZ color 66.6662, 76.0406,

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

66.6662, 76.0406, 63.9869

Protanopia

71.5879, 75.7500, 61.8871

Deuteranopia

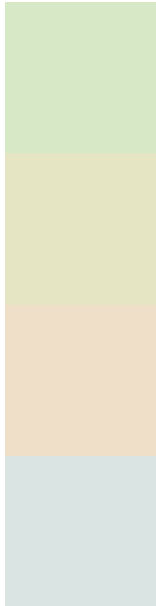
76.9721, 75.6671, 66.4255



Tritanopia

72.9217, 75.6936, 95.5610

Trichromacy



Original Color

66.6662, 76.0406, 63.9869

Protanomaly

69.9068, 76.0849, 62.6311

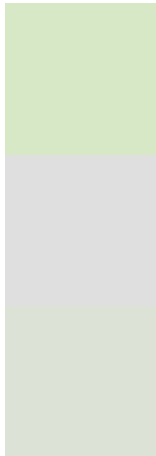
Deuteranomaly

72.7482, 75.4707, 65.3767

Tritanomaly

70.3843, 75.8832, 82.8888

Monochromacy



Original Color

66.6662, 76.0406, 63.9869

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.8492, 74.4634, 74.3625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6662, 76.0406, 63.9869 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(214, 232, 197)` looks like.

```
.text, #text, p{  
    color:rgb(214, 232, 197)  
}
```

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(214, 232, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 232, 197) }
```

Border

The CSS property to change the border of an element to XYZ 66.6662, 76.0406, 63.9869 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(214, 232, 197) }
```


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

```
.border{ border-color:rgb(214, 232, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 232, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 232, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 232, 197);  
box-shadow:4px 4px 4px 4px rgb(214, 232,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6662, 76.0406, 63.9869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 232, 197) }
```

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

```
.background{ background-color: rgb(214,  
232, 197) }
```

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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