

Converting Colors

XYZ(66.5963, 76.3997, 65.2664)

Have a look what the booklet for
XYZ(66.5963, 76.3997, 65.2664)
contains.

XYZ(66.5991, 76.3984, 65.2690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.5991, 76.3984,
65.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E9C7
RGB	212, 233, 199
RGB Percent	83%, 91%, 78%
CMY	0.1686, 0.0863, 0.2196
CMYK	0.09, 0.00, 0.15, 0.09
HSL	97°, 44%, 85%
HSV	97°, 15%, 91%
XYZ	66.5991, 76.3984, 65.2690
YIQ	222.8450, -1.6020, -15.0260

Conversions

Conversions Part 2

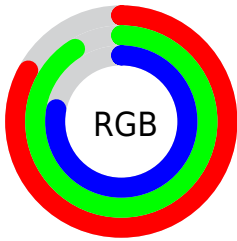
Format	Color
RYB	199, 233, 220
Decimal	13953479
CIELab	90.04, -12.99, 14.20
CIELCh	90, 19.243, 132.445
Yxy	76.3984, 0.3198, 0.3668
Android (android.graphics.Color)	4292143559 (0xFFD4E9C7)
YUV	222.8450, -11.7556, -9.5111
Hunter-Lab	87.4062, -16.9528, 16.9106

Details

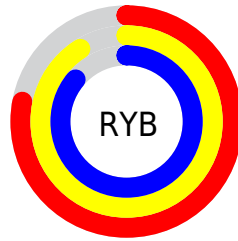
The XYZ color **66.5991, 76.3984, 65.2690** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.6496, 61.9477, 85.6445**, and the grayscale version is **70.1126, 73.7639, 80.3289**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7376, 40.6567, 32.8047** is the 20% darker color. If you saturate the color by 10%, you get **60.1330, 73.3563, 51.9093**, and if you desaturate by 10%, it is **73.8536, 79.8036, 80.8310**.

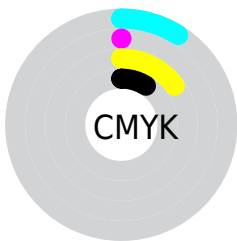
Distribution



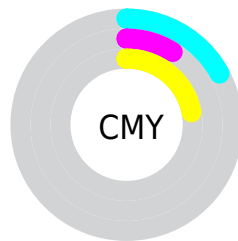
- Red (83%)
- Green (91%)
- Blue (78%)



- Red (78%)
- Yellow (91%)
- Blue (86%)



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



- Cyan (17%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5991, 76.3984, 65.2690 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 66.5991, 76.3984, 65.2690 by changing the saturation by 10% instead.

66.5991, 76.3984,
65.2690

66.5991, 76.3984,
65.2690

437.9714,
482.7104, 462.0907

49.0284, 56.7593,
47.2265

113.3987,
128.2899, 114.0535

34.8566, 40.8120,
32.8591

143.3584,
161.3111, 145.6326

23.7185, 28.1722,
21.7483

178.1784,
199.5617, 182.5609

15.2485, 18.4555,
13.4755

218.2241,
243.4261, 225.2571

9.0814, 11.2775,
7.6222

263.8610,
293.2888, 274.1396

4.8519, 6.2538,
3.7699

315.4542,

2.1945, 3.0000,

349.5342, 329.6270

1.5000

373.3692,
412.5466, 392.1378

0.7398, 1.1317,
0.2179

0.0000, 0.0049,
0.0000

66.5991, 76.3984,
65.2690

66.5991, 76.3984,
65.2690

60.1330, 73.3563,
51.9093

73.8536, 79.8036,
80.8310

54.4205, 70.6547,
40.6476

81.9170, 83.5736,
98.6834

49.4337, 68.2839,
31.3785

88.4304, 86.7609,
106.6935

45.1399, 66.2296,
23.9856

■ 41.5039, 64.4763,
18.3403

■ 38.4868, 63.0073,
14.2979

■ 36.0445, 61.8034,
11.6904

■ 34.1252, 60.8425,
10.3125

■ 33.2676, 60.4085,
9.9066

Harmonies

Analogous

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



70.6559, 76.3984, 60.0820



66.5991, 76.3984, 65.2690



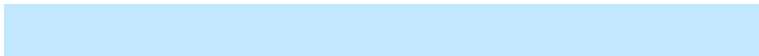
64.2166, 76.3984, 75.5113

Triad

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



66.5991, 76.3984, 65.2690



69.8831, 76.3984, 110.8244



81.9434, 76.3984, 77.6521

Complementary

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



66.5991, 76.3984, 65.2690



64.6496, 61.9477, 85.6445

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.



81.7142, 76.3984, 91.3615



66.5991, 76.3984, 65.2690



74.6088, 76.3984, 111.5599

Square

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



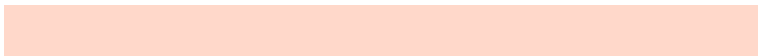
66.5991, 76.3984, 65.2690



66.0547, 76.3984, 102.2000



78.9814, 76.3984, 104.1115



79.5945, 76.3984, 66.6880

Rectangle

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



66.5991, 76.3984, 65.2690



63.8315, 76.3984, 84.3103



78.9814, 76.3984, 104.1115



82.1681, 76.3984, 82.0695

Sweetspot

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



66.6012, 76.4017, 65.2707



91.1708, 98.1849, 100.3726



69.5005, 72.6191, 64.3877



19.3620, 20.9443, 21.1515



0.0000, 0.0000, 0.0000



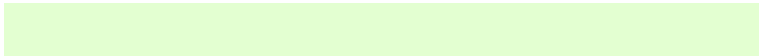
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6012, 76.4017, 65.2707



78.8484, 92.4020, 74.0662



63.4699, 74.7335, 67.5603



15.4127, 17.1428, 16.0153



19.0035, 34.3412, 5.6269



1.5965, 2.7504, 0.4467

Inverse Universe

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



64.6496, 61.9477, 85.6445



75.9514, 70.9526, 104.2999



68.1781, 63.8315, 82.8841



15.1247, 15.0096, 19.0222



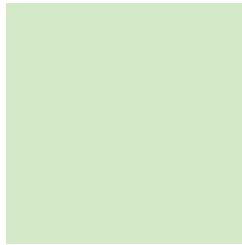
15.0068, 6.7722, 44.2592



1.2850, 0.5868, 3.4804

Previews

White Background



This preview shows how the XYZ color 66.5991, 76.3984, 65.2690 looks on a white background.

Color Contrast Check

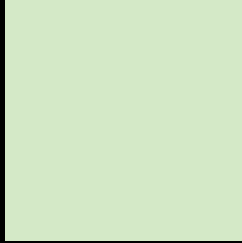
Large Text (above 18pt) WCAG AA × Fail

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 66.5991, 76.3984, 65.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

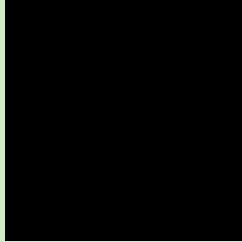
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

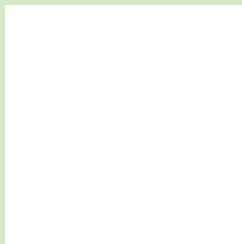
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5991, 76.3984, 65.2690

Background



This preview shows how black text looks on a background with the XYZ color 66.5991, 76.3984, 65.2690.



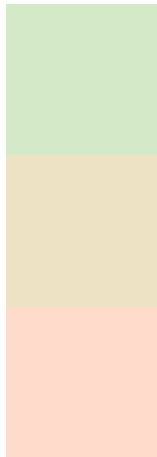
This preview shows how white text looks on a background with the XYZ color 66.5991, 76.3984,

65.2690.

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



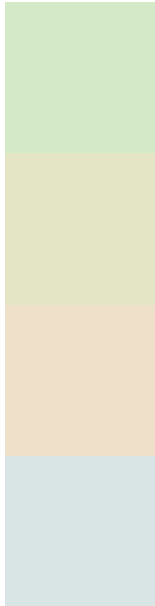
Original Color
66.5991, 76.3984, 65.2690
Protanopia
71.9717, 76.3374, 62.5710
Deuteranopia
77.4706, 76.2827, 67.7676



Tritanopia

73.1639, 76.5908, 97.3136

Trichromacy



Original Color

66.5991, 76.3984, 65.2690

Protanomaly

69.9780, 76.5181, 63.3058

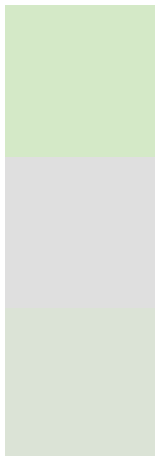
Deuteranomaly

72.9129, 75.9263, 66.6894

Tritanomaly

70.3418, 76.2390, 84.4070

Monochromacy



Original Color

66.5991, 76.3984, 65.2690

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.8201, 74.8533, 74.4392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5991, 76.3984, 65.2690 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, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(212, 233, 199)  
}
```

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, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 233, 199) }
```

Border

The CSS property to change the border of an element to XYZ 66.5991, 76.3984, 65.2690 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, 233, 199) }
```


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

```
.border{ border-color:rgb(212, 233, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 233, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(212, 233,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5991, 76.3984, 65.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 233, 199) }
```

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

```
.background{ background-color: rgb(212,  
233, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor