

Converting Colors

XYZ(64.6666, 75.3340, 68.2594)

Have a look what the booklet for
XYZ(64.6666, 75.3340, 68.2594)
contains.

XYZ(64.6666, 75.3340, 68.2594)	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(64.6666, 75.3340,
68.2594)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE9CC
RGB	203, 233, 204
RGB Percent	80%, 91%, 80%
CMY	0.2039, 0.0863, 0.2000
CMYK	0.13, 0.00, 0.12, 0.09
HSL	122°, 41%, 85%
HSV	122°, 13%, 91%
XYZ	64.6666, 75.3340, 68.2594
YIQ	220.7240, -8.5710, -15.3790

Conversions

Conversions Part 2

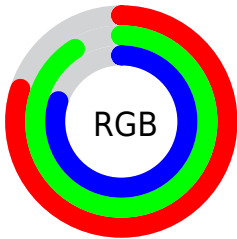
Format	Color
R_{YB}	203, 232, 233
Decimal	13363660
CIE _{Lab}	89.55, -15.19, 10.81
CIE _{LCh}	90, 18.646, 144.566
Yxy	75.3340, 0.3105, 0.3617
Android (android.graphics.Color)	4291553740 (0xFFCBE9CC)
YUV	220.7240, -8.2449, -15.5439
Hunter-Lab	86.7952, -18.9004, 14.1284

Details

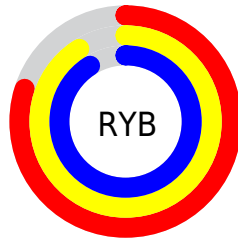
The XYZ color **64.6666, 75.3340, 68.2594** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.5284, 65.8635, 85.3958**, and the grayscale version is **68.5957, 72.1680, 78.5910**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6216, 40.0359, 34.8098** is the 20% darker color. If you saturate the color by 10%, you get **56.2829, 71.3041, 54.7705**, and if you desaturate by 10%, it is **74.3988, 80.0183, 83.8539**.

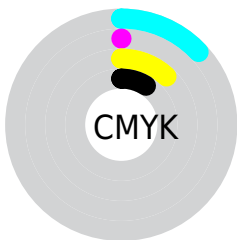
Distribution



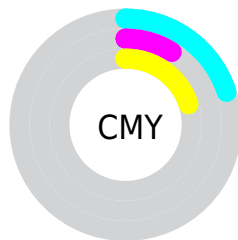
- Red (80%)
- Green (91%)
- Blue (80%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6666, 75.3340, 68.2594 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 64.6666, 75.3340, 68.2594 by changing the saturation by 10% instead.

64.6666, 75.3340,
68.2594

64.6666, 75.3340,
68.2594

431.1571,
479.0648, 473.0375

47.4545, 55.8866,
49.6408

110.6388,
126.7850, 118.3809

33.6045, 40.1120,
34.7589

140.1295,
159.5574, 150.7208

22.7514, 27.6259,
23.1951

174.4439,
197.5403, 188.4716

14.5297, 18.0438,
14.5310

213.9472,
241.1179, 232.0519

8.5742, 10.9815,
8.3480

259.0048,
290.6748, 281.8800

4.5194, 6.0544,
4.2274

309.9821,

1.9999, 2.8782,

346.5953, 338.3746

1.7509

367.2444,
409.2638, 401.9543

■ 0.6339, 1.0685,
0.3953

■ 0.0000, 0.0000,
0.0000

■ 64.6666, 75.3340,
68.2594

■ 64.6666, 75.3340,
68.2594

■ 56.2829, 71.3041,
54.7705

■ 74.3988, 80.0183,
83.8539

■ 49.1824, 67.8904,
43.2923

■ 85.5289, 85.3740,
101.6334

■ 43.3037, 65.0653,
33.7302

■ 88.4304, 86.7608,
106.6935

■ 38.5779, 62.7957,
25.9797

■ 34.9292, 61.0450,
19.9266

■ 32.2728, 59.7720,
15.4438

■ 30.5113, 58.9298,
12.3863

■ 29.5274, 58.4615,
10.5820

■ 29.1830, 58.2978,
9.9376

Harmonies

Analogous

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



68.0048, 75.3340, 61.1657



64.6666, 75.3340, 68.2594



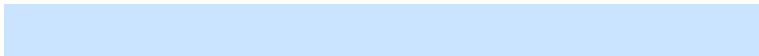
63.1914, 75.3340, 79.6612

Triad

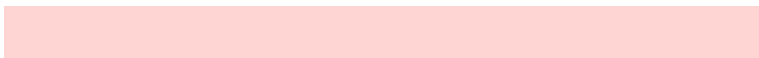
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6666, 75.3340, 68.2594



70.7722, 75.3340, 109.7725



79.9116, 75.3340, 71.9843

Complementary

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



64.6666, 75.3340, 68.2594



69.5284, 65.8635, 85.3958

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.



80.7291, 75.3340, 84.4370



64.6666, 75.3340, 68.2594



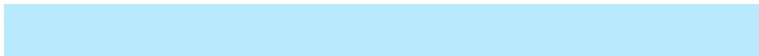
75.3254, 75.3340, 107.1598

Square

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



64.6666, 75.3340, 68.2594



66.6190, 75.3340, 104.3314



79.0179, 75.3340, 97.5291



76.8290, 75.3340, 63.1503

Rectangle

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



64.6666, 75.3340, 68.2594



63.4156, 75.3340, 88.5314



79.0179, 75.3340, 97.5291



80.4658, 75.3340, 75.8472

Sweetspot

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



64.6687, 75.3372, 68.2611



89.8493, 97.4977, 100.5818



73.2004, 79.7493, 68.0358



19.0287, 20.7710, 21.2042



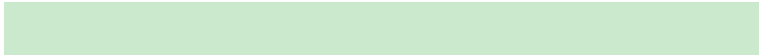
0.0000, 0.0000, 0.0000



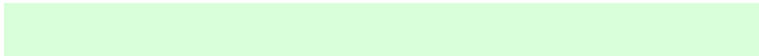
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6687, 75.3372, 68.2611



76.9592, 91.2967, 79.9131



66.5560, 76.0921, 78.1996



14.8887, 16.8703, 16.0967



16.5671, 33.0813, 5.6855



1.3081, 2.6006, 0.4843

Inverse Universe

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



69.5284, 65.8635, 85.3958



83.8337, 77.8950, 104.1514



67.4870, 65.0469, 74.6461



15.6919, 15.3046, 18.9286



26.8068, 12.9254, 41.6457



2.1118, 1.0177, 3.3062

Previews

White Background



This preview shows how the XYZ color 64.6666, 75.3340, 68.2594 looks on a white background.

Color Contrast Check

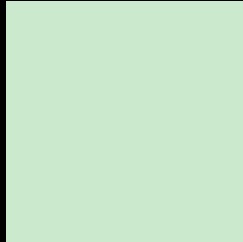
Large Text (above 18pt) WCAG AA × Fail

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 64.6666, 75.3340, 68.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

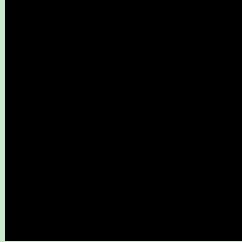
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

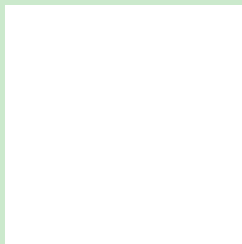
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6666, 75.3340, 68.2594

Background



This preview shows how black text looks on a background with the XYZ color 64.6666, 75.3340, 68.2594.



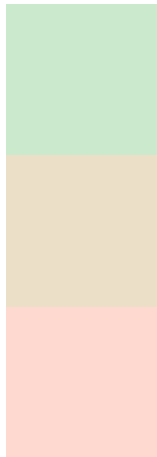
This preview shows how white text looks on a background with the XYZ color 64.6666, 75.3340,

68.2594.

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

64.6666, 75.3340, 68.2594

Protanopia

71.2254, 75.0970, 64.7740

Deuteranopia

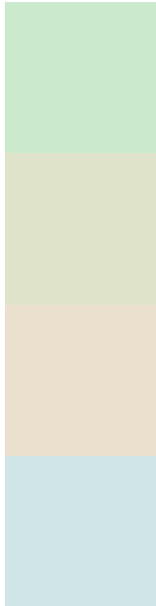
76.5834, 75.0133, 69.4741



Tritanopia

70.5289, 75.2324, 97.1902

Trichromacy



Original Color

64.6666, 75.3340, 68.2594

Protanomaly

68.4431, 74.8432, 66.0972

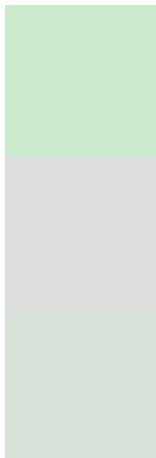
Deuteranomaly

71.7892, 74.8938, 69.0648

Tritanomaly

68.0344, 75.0172, 85.7569

Monochromacy



Original Color

64.6666, 75.3340, 68.2594

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.9225, 73.0529, 74.8634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6666, 75.3340, 68.2594 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(203, 233, 204)` looks like.

```
.text, #text, p{  
    color:rgb(203, 233, 204)  
}
```

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(203, 233, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 233, 204) }
```

Border

The CSS property to change the border of an element to XYZ 64.6666, 75.3340, 68.2594 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(203, 233, 204) }
```


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

```
.border{ border-color:rgb(203, 233, 204) }
```

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

Here you see how a box with a 4 pixel rgb(203, 233, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 233, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 233, 204);  
box-shadow:4px 4px 4px 4px rgb(203, 233,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6666, 75.3340, 68.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 233, 204) }
```

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

```
.background{ background-color: rgb(203,  
233, 204) }
```

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