

Converting Colors

XYZ(64.2994, 75.1362, 68.7199)

Have a look what the booklet for
XYZ(64.2994, 75.1362, 68.7199)
contains.

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Color

**XYZ(64.2458, 75.1031,
68.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E9CD
RGB	201, 233, 205
RGB Percent	79%, 91%, 80%
CMY	0.2118, 0.0863, 0.1961
CMYK	0.14, 0.00, 0.12, 0.09
HSL	127°, 42%, 85%
HSV	127°, 14%, 91%
XYZ	64.2458, 75.1031, 68.8678
YIQ	220.2400, -10.0840, -15.4920

Conversions

Conversions Part 2

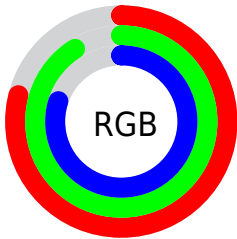
Format	Color
R_{YB}	201, 229, 233
Decimal	13232589
CIE _{Lab}	89.44, -15.68, 10.12
CIE _{LCh}	89, 18.663, 147.174
Yxy	75.1031, 0.3086, 0.3607
Android (android.graphics.Color)	4291422669 (0xFFC9E9CD)
YUV	220.2400, -7.5133, -16.8735
Hunter-Lab	86.6620, -19.3299, 13.5474

Details

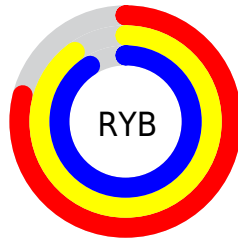
The XYZ color **64.2458, 75.1031, 68.8678** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6365, 64.7560, 83.0140**, and the grayscale version is **68.2527, 71.8072, 78.1980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3407, 39.8817, 35.2189** is the 20% darker color. If you saturate the color by 10%, you get **56.1482, 71.1968, 56.4684**, and if you desaturate by 10%, it is **73.6185, 79.6339, 83.0042**.

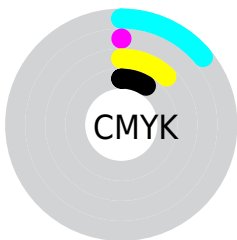
Distribution



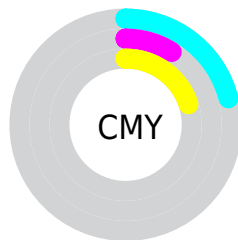
- Red (79%)
- Green (91%)
- Blue (80%)



- Red (79%)
- Yellow (90%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (21%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2458, 75.1031, 68.8678 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 64.2458, 75.1031, 68.8678 by changing the saturation by 10% instead.

64.2458, 75.1031,
68.8678

64.2458, 75.1031,
68.8678

429.6649,
478.2719, 475.2459

47.1122, 55.6974,
50.1330

110.0366,
126.4583, 119.2587

33.3327, 39.9603,
35.1471

139.4245,
159.1765, 151.7518

22.5419, 27.5076,
23.4918

173.6280,
197.1011, 189.6680

14.3744, 17.9548,
14.7483

213.0122,
240.6163, 233.4260

8.4650, 10.9176,
8.4983

257.9427,
290.1066, 283.4443

4.4482, 6.0114,
4.3231

308.7847,

1.9587, 2.8520,

345.9563, 340.1413

1.8042

365.9037,
408.5500, 403.9356

■ 0.6106, 1.0550,
0.4307

■ 0.0000, 0.0000,
0.0000

■ 64.2458, 75.1031,
68.8678

■ 64.2458, 75.1031,
68.8678

■ 56.1482, 71.1968,
56.4684

■ 73.6185, 79.6339,
83.0042

■ 49.2644, 67.8786,
45.7341

■ 84.3116, 84.8048,
98.9357

■ 43.5375, 65.1226,
36.5956

■ 88.4303, 86.7607,
106.6934

■ 38.9037, 62.8976,
28.9766

■ 35.2926, 61.1691,
22.7946

■ 32.6258, 59.8986,
17.9595

■ 30.8132, 59.0417,
14.3706

■ 29.7469, 58.5453,
11.9133

■ 29.3636, 58.3700,
10.8893

Harmonies

Analogous

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



67.4421, 75.1031, 61.3536



64.2458, 75.1031, 68.8678



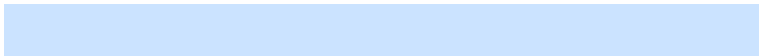
62.9555, 75.1031, 80.5390

Triad

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



64.2458, 75.1031, 68.8678



70.9505, 75.1031, 109.5956



79.4956, 75.1031, 70.8038

Complementary

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



64.2458, 75.1031, 68.8678



68.6365, 64.7560, 83.0140

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.



80.5314, 75.1031, 83.0226



64.2458, 75.1031, 68.8678



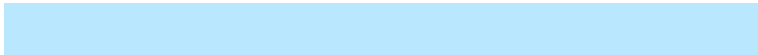
75.4750, 75.1031, 106.2878

Square

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



64.2458, 75.1031, 68.8678



66.7216, 75.1031, 104.8156



79.0307, 75.1031, 96.2007



76.2572, 75.1031, 62.3847

Rectangle

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



64.2458, 75.1031, 68.8678



63.3069, 75.1031, 89.4384



79.0307, 75.1031, 96.2007



80.1188, 75.1031, 74.5614

Sweetspot

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



64.2479, 75.1063, 68.8695



89.9925, 97.5549, 101.3359



72.0829, 79.2005, 66.7475



19.0648, 20.7854, 21.3941



0.0000, 0.0000, 0.0000



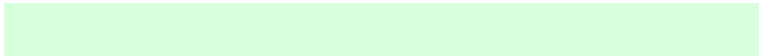
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2479, 75.1063, 68.8695



76.3756, 90.9765, 80.7595



66.2443, 75.9049, 79.3828



14.9449, 16.8928, 16.3928



16.6850, 33.1285, 6.3063



1.3350, 2.6113, 0.6259

Inverse Universe

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



68.6365, 64.7560, 83.0140



82.5769, 76.3503, 100.7455



66.5375, 63.9164, 71.9606



15.6291, 15.2795, 18.5979



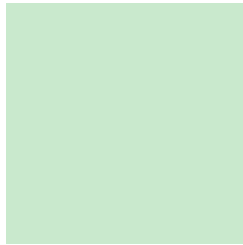
25.2757, 12.3129, 33.5825



2.0075, 0.9760, 2.7568

Previews

White Background



This preview shows how the XYZ color 64.2458, 75.1031, 68.8678 looks on a white background.

Color Contrast Check

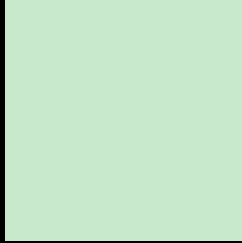
Large Text (above 18pt) WCAG AA × Fail

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 64.2458, 75.1031, 68.8678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

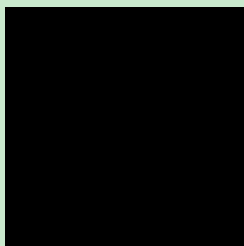
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

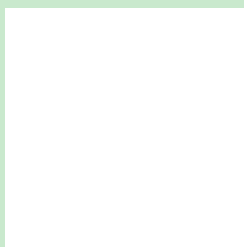
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2458, 75.1031, 68.8678

Background



This preview shows how black text looks on a background with the XYZ color 64.2458, 75.1031, 68.8678.



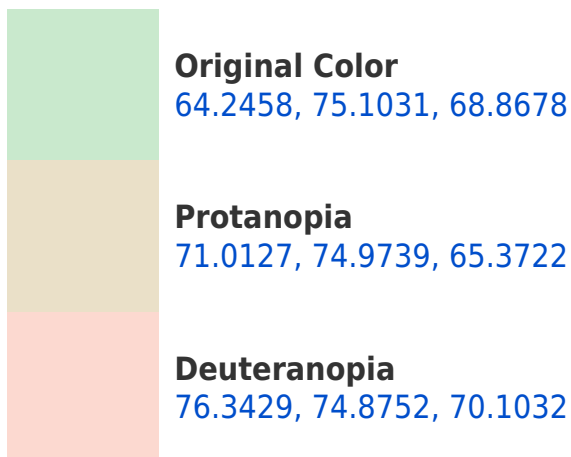
This preview shows how white text looks on a background with the XYZ color 64.2458, 75.1031,

68.8678.

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

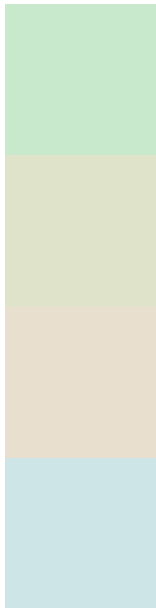




Tritanopia

69.9629, 74.9406, 97.1637

Trichromacy



Original Color

64.2458, 75.1031, 68.8678

Protanomaly

68.2540, 74.7320, 66.7045

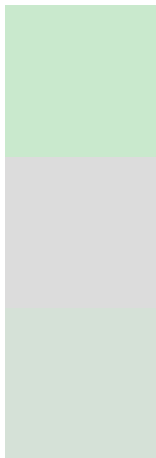
Deuteranomaly

71.2544, 74.6040, 69.6760

Tritanomaly

67.4791, 74.7309, 85.7309

Monochromacy



Original Color

64.2458, 75.1031, 68.8678

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.6315, 72.9029, 74.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2458, 75.1031, 68.8678 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(201, 233, 205)` looks like.

```
.text, #text, p{  
    color:rgb(201, 233, 205)  
}
```

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(201, 233, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 233, 205) }
```

Border

The CSS property to change the border of an element to XYZ 64.2458, 75.1031, 68.8678 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(201, 233, 205) }
```


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

```
.border{ border-color:rgb(201, 233, 205) }
```

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

Here you see how a box with a 4 pixel rgb(201, 233, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 233, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 233, 205);  
box-shadow:4px 4px 4px 4px rgb(201, 233,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2458, 75.1031, 68.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 233, 205) }
```

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

```
.background{ background-color: rgb(201,  
233, 205) }
```

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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