

Converting Colors

XYZ(65.4952, 76.3034, 76.3228)

Have a look what the booklet for
XYZ(65.4952, 76.3034, 76.3228)
contains.

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Color

**XYZ(65.6562, 76.5166,
76.2745)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EBD8
RGB	199, 235, 216
RGB Percent	78%, 92%, 85%
CMY	0.2196, 0.0784, 0.1529
CMYK	0.15, 0.00, 0.08, 0.08
HSL	148°, 47%, 85%
HSV	148°, 15%, 92%
XYZ	65.6562, 76.5166, 76.2745
YIQ	222.0700, -15.3570, -13.5410

Conversions

Conversions Part 2

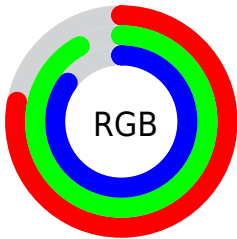
Format	Color
RYB	199, 223, 235
Decimal	13102040
CIELab	90.10, -15.33, 5.30
CIElCh	90, 16.220, 160.913
Yxy	76.5166, 0.3006, 0.3503
Android (android.graphics.Color)	4291292120 (0xFFC7EBD8)
YUV	222.0700, -2.9925, -20.2324
Hunter-Lab	87.4738, -19.1003, 9.5325

Details

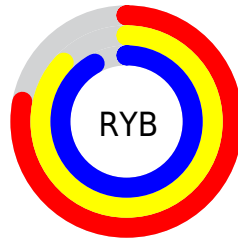
The XYZ color **65.6562, 76.5166, 76.2745** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3420, 63.5729, 75.0546**, and the grayscale version is **69.5106, 73.1305, 79.6392**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.2302, 40.8332, 39.7957** is the 20% darker color. If you saturate the color by 10%, you get **58.3526, 72.9319, 67.8759**, and if you desaturate by 10%, it is **74.0481, 80.6525, 85.3593**.

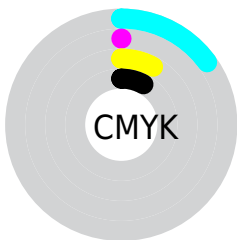
Distribution



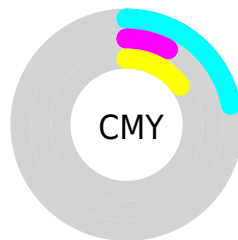
- Red (78%)
- Green (92%)
- Blue (85%)



- Red (78%)
- Yellow (87%)
- Blue (92%)



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



- Cyan (22%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6562, 76.5166, 76.2745 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 65.6562, 76.5166, 76.2745 by changing the saturation by 10% instead.

65.6562, 76.5166,
76.2745

65.6562, 76.5166,
76.2745

434.6544,
483.1143, 501.6587

48.2600, 56.8562,
56.1496

112.0532,
128.4569, 129.8785

34.2450, 40.8898,
39.9181

141.7848,
161.5056, 164.1947

23.2456, 28.2330,
27.1614

176.3589,
199.7858, 204.0784

14.8967, 18.5014,
17.4610

216.1408,
243.6820, 249.9482

8.8327, 11.3105,
10.3983

261.4960,
293.5786, 302.2225

4.6885, 6.2761,
5.5548

312.7897,

2.0985, 3.0137,

349.8599, 361.3201

2.5119

370.3874,
412.9103, 427.6593

0.6884, 1.1389,
0.8465

0.0000, 0.0109,
0.0000

65.6562, 76.5166,
76.2745

65.6562, 76.5166,
76.2745

58.3526, 72.9319,
67.8759

74.0481, 80.6525,
85.3593

52.0841, 69.8651,
60.1422

83.5656, 85.3524,
95.1405

46.8027, 67.2938,
53.0586

88.7135, 87.7850,
105.3758

42.4538, 65.1901,
46.6075

88.9997, 87.8995,
106.8832

■ 38.9772, 63.5234,
40.7707

■ 36.3054, 62.2593,
35.5290

■ 34.3600, 61.3577,
30.8617

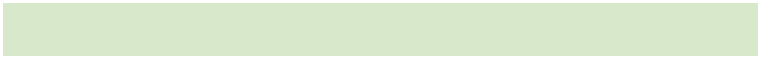
■ 33.0451, 60.7696,
26.7467

■ 32.5770, 60.5664,
25.0022

Harmonies

Analogous

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



67.7756, 76.5166, 67.6627



65.6562, 76.5166, 76.2745



65.3899, 76.5166, 87.5800

Triad

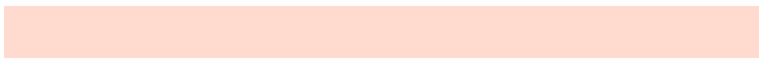
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.6562, 76.5166, 76.2745



74.2016, 76.5166, 107.0245



78.7328, 76.5166, 69.6260

Complementary

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



65.6562, 76.5166, 76.2745



67.3420, 63.5729, 75.0546

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.



80.5928, 76.5166, 79.1880



65.6562, 76.5166, 76.2745



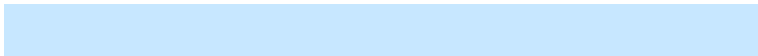
77.9133, 76.5166, 101.2089

Square

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



65.6562, 76.5166, 76.2745



70.2255, 76.5166, 106.0612



80.2875, 76.5166, 90.7729



75.2867, 76.5166, 64.0759

Rectangle

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



65.6562, 76.5166, 76.2745



66.2876, 76.5166, 95.2254



80.2875, 76.5166, 90.7729



79.5699, 76.5166, 72.4390

Sweetspot

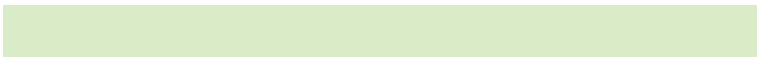
The Sweet Spot groups the original color and five complimentary colors.



65.6583, 76.5198, 76.2762



89.4491, 97.2356, 103.0808



68.9931, 78.4799, 65.5458



18.9832, 20.7322, 21.8921



0.0000, 0.0000, 0.0000



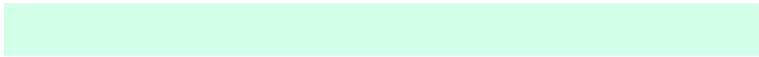
20.3446, 21.4041, 23.3091

Same Dimension

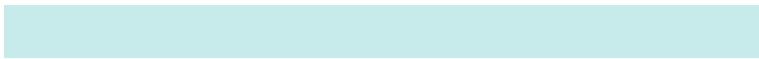
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.6583, 76.5198, 76.2762



76.4746, 90.8466, 88.9379



68.0867, 77.4912, 89.0637



15.1644, 16.9806, 17.5486



18.1932, 33.7317, 14.2483



1.4769, 2.6681, 1.3731

Inverse Universe

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



67.3420, 63.5729, 75.0546



78.8198, 72.8119, 87.2358



65.1354, 62.6903, 63.4349



15.3977, 15.1869, 17.3795



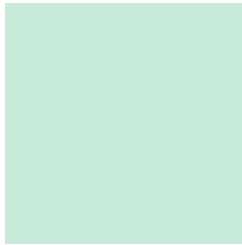
21.1590, 10.6663, 11.9045



1.7101, 0.8570, 1.1906

Previews

White Background



This preview shows how the XYZ color 65.6562, 76.5166, 76.2745 looks on a white background.

Color Contrast Check

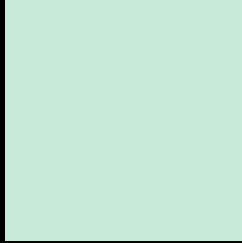
Large Text (above 18pt) WCAG AA × Fail

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 65.6562, 76.5166, 76.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

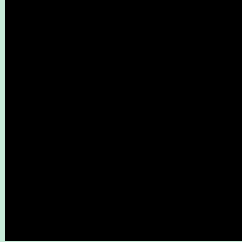
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

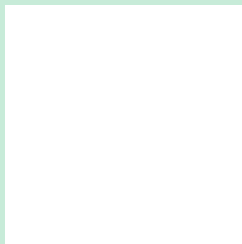
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.6562, 76.5166, 76.2745

Background



This preview shows how black text looks on a background with the XYZ color 65.6562, 76.5166, 76.2745.

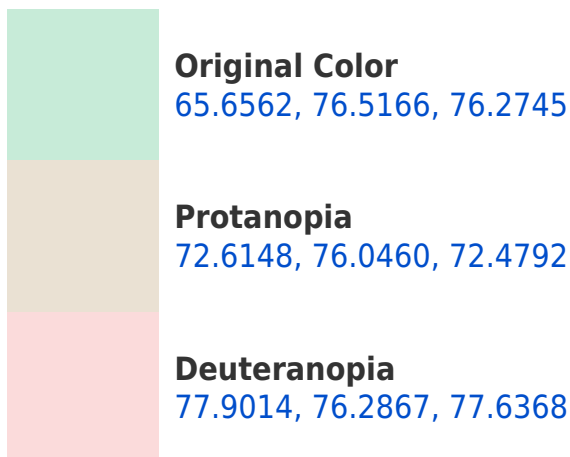


This preview shows how white text looks on a background with the XYZ color 65.6562, 76.5166,

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

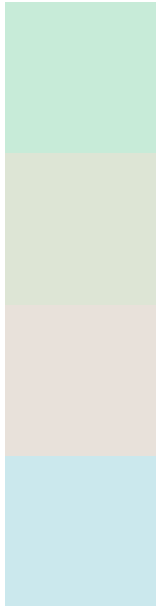




Tritanopia

70.5725, 76.4123, 100.6520

Trichromacy



Original Color

65.6562, 76.5166, 76.2745

Protanomaly

69.8483, 76.2149, 73.9803

Deuteranomaly

72.8588, 76.0682, 77.1722

Tritanomaly

68.7713, 76.5242, 91.2668

Monochromacy



Original Color

65.6562, 76.5166, 76.2745

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.1189, 74.4016, 78.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6562, 76.5166, 76.2745 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(199, 235, 216)` looks like.

```
.text, #text, p{  
    color:rgb(199, 235, 216)  
}
```

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(199, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 235, 216) }
```

Border

The CSS property to change the border of an element to XYZ 65.6562, 76.5166, 76.2745 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(199, 235, 216) }
```


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

```
.border{ border-color:rgb(199, 235, 216) }
```

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

Here you see how a box with a 4 pixel rgb(199, 235, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(199, 235,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6562, 76.5166, 76.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 235, 216) }
```

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

```
.background{ background-color: rgb(199,  
235, 216) }
```

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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