

Converting Colors

XYZ(64.7076, 76.6620, 73.8596)

Have a look what the booklet for
XYZ(64.7076, 76.6620, 73.8596)
contains.

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Color

**XYZ(64.6441, 76.4801,
73.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	C4ECD4
RGB	196, 236, 212
RGB Percent	77%, 93%, 83%
CMY	0.2314, 0.0745, 0.1686
CMYK	0.17, 0.00, 0.10, 0.07
HSL	144°, 51%, 85%
HSV	144°, 17%, 93%
XYZ	64.6441, 76.4801, 73.6424
YIQ	221.3040, -16.1360, -15.9440

Conversions

Conversions Part 2

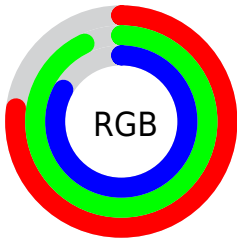
Format	Color
RYB	196, 225, 236
Decimal	12905684
CIELab	90.08, -17.54, 7.34
CIELCh	90, 19.013, 157.284
Yxy	76.4801, 0.3010, 0.3561
Android (android.graphics.Color)	4291095764 (0xFFC4ECD4)
YUV	221.3040, -4.5869, -22.1916
Hunter-Lab	87.4529, -21.0976, 11.2901

Details

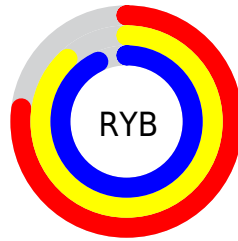
The XYZ color **64.6441, 76.4801, 73.6424** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2530, 62.4820, 76.2293**, and the grayscale version is **68.9819, 72.5743, 79.0334**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.5624, 40.8276, 38.0099** is the 20% darker color. If you saturate the color by 10%, you get **57.2731, 72.8798, 64.3784**, and if you desaturate by 10%, it is **73.1417, 80.6474, 83.7803**.

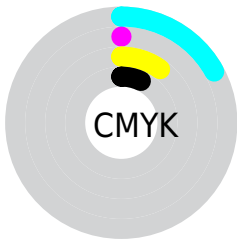
Distribution



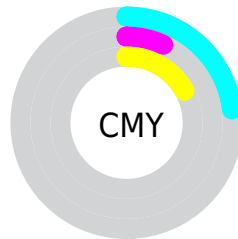
- Red (77%)
- Green (93%)
- Blue (83%)



- Red (77%)
- Yellow (88%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6441, 76.4801, 73.6424 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 64.6441, 76.4801, 73.6424 by changing the saturation by 10% instead.

64.6441, 76.4801,
73.6424

64.6441, 76.4801,
73.6424

431.0774,
482.9896, 492.3686

47.4362, 56.8263,
54.0064

110.6066,
128.4053, 126.1181

33.5900, 40.8658,
38.2136

140.0919,
161.4455, 159.7949

22.7402, 28.2142,
25.8454

174.4003,
199.7166, 198.9890

14.5214, 18.4872,
16.4833

213.8973,
243.6030, 244.1190

8.5683, 11.3003,
9.7087

258.9481,
293.4891, 295.6034

4.5155, 6.2692,
5.1032

309.9181,

1.9977, 3.0095,

349.7593, 353.8608

2.2481

367.1728,
412.7980, 419.3097

■ 0.6327, 1.1367,
0.7019

■ 0.0000, 0.0091,
0.0000

■ 64.6441, 76.4801,
73.6424

■ 64.6441, 76.4801,
73.6424

■ 57.2731, 72.8798,
64.3784

■ 73.1417, 80.6474,
83.7803

■ 50.9732, 69.8119,
55.9600

■ 82.8054, 85.3951,
94.8092

■ 45.6938, 67.2529,
48.3647

■ 89.2041, 88.4406,
106.5429

■ 41.3776, 65.1738,
41.5670

■ 89.2869, 88.4737,
106.9790

■ 37.9611, 63.5424,
35.5402

■ 35.3728, 62.3223,
30.2559

■ 33.5295, 61.4714,
25.6837

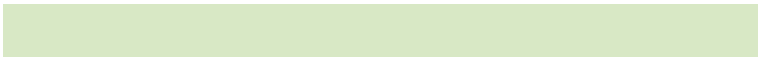
■ 32.3254, 60.9356,
21.7907

■ 32.0350, 60.8090,
20.7316

Harmonies

Analogous

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



67.3361, 76.4801, 64.2728



64.6441, 76.4801, 73.6424



64.0631, 76.4801, 86.6103

Triad

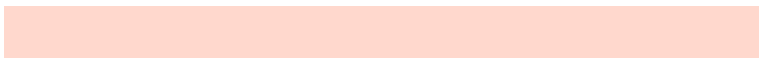
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6441, 76.4801, 73.6424



73.8479, 76.4801, 111.7821



80.1483, 76.4801, 68.5117

Complementary

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



64.6441, 76.4801, 73.6424



67.2530, 62.4820, 76.2293

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.



82.0630, 76.4801, 80.0242



64.6441, 76.4801, 73.6424



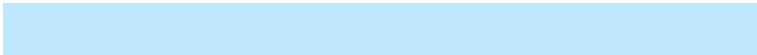
78.3247, 76.4801, 105.6929

Square

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



64.6441, 76.4801, 73.6424



69.2463, 76.4801, 109.6002



81.3817, 76.4801, 93.7104



76.2503, 76.4801, 61.5417

Rectangle

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



64.6441, 76.4801, 73.6424



64.9270, 76.4801, 95.7551



81.3817, 76.4801, 93.7104



81.0527, 76.4801, 71.9272

Sweetspot

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



64.6462, 76.4833, 73.6441



89.3063, 97.1785, 102.3292



69.6794, 79.2998, 63.8596



18.9486, 20.7184, 21.7096



0.0000, 0.0000, 0.0000



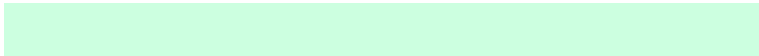
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6462, 76.4833, 73.6441



74.1705, 89.7608, 84.2210



67.2339, 77.5184, 87.2707



15.1179, 16.9620, 17.3038



17.7173, 33.5414, 11.7423



1.4376, 2.6523, 1.1662

Inverse Universe

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



67.2530, 62.4820, 76.2293



77.7708, 70.4209, 87.7895



64.8378, 61.5159, 63.5108



15.4450, 15.2058, 17.6284



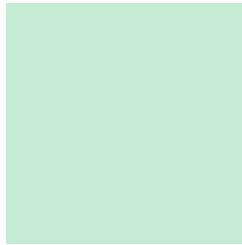
21.8085, 10.9261, 15.3250



1.7598, 0.8769, 1.4524

Previews

White Background



This preview shows how the XYZ color 64.6441, 76.4801, 73.6424 looks on a white background.

Color Contrast Check

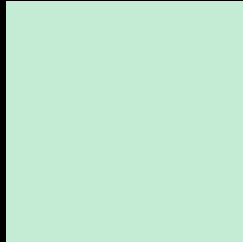
Large Text (above 18pt) WCAG AA × Fail

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 64.6441, 76.4801, 73.6424 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

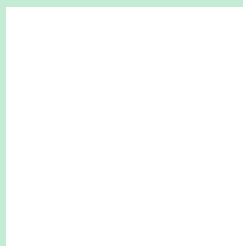
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6441, 76.4801, 73.6424

Background



This preview shows how black text looks on a background with the XYZ color 64.6441, 76.4801, 73.6424.

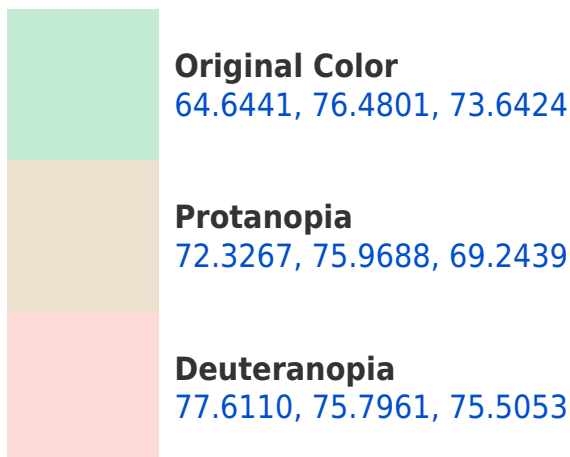


This preview shows how white text looks on a background with the XYZ color 64.6441, 76.4801,

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

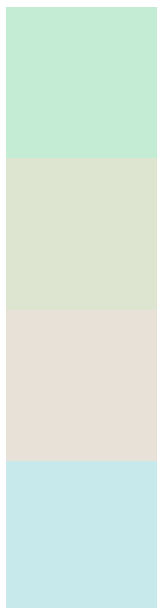




Tritanopia

70.3034, 76.6879, 100.7194

Trichromacy



Original Color

64.6441, 76.4801, 73.6424

Protanomaly

69.2233, 75.9648, 70.6887

Deuteranomaly

72.4697, 75.9125, 75.1230

Tritanomaly

68.0987, 76.6133, 90.5555

Monochromacy



Original Color

64.6441, 76.4801, 73.6424

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0026, 73.4517, 76.9759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6441, 76.4801, 73.6424 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(196, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(196, 236, 212)  
}
```

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(196, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 236, 212) }
```

Border

The CSS property to change the border of an element to XYZ 64.6441, 76.4801, 73.6424 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(196, 236, 212) }
```


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

```
.border{ border-color:rgb(196, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 236, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 236, 212);  
box-shadow:4px 4px 4px 4px rgb(196, 236,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6441, 76.4801, 73.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 236, 212) }
```

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

```
.background{ background-color: rgb(196,  
236, 212) }
```

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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