

Converting Colors

XYZ(64.4760, 73.9910, 72.8194)

Have a look what the booklet for
XYZ(64.4760, 73.9910, 72.8194)
contains.

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Color

**XYZ(64.4118, 73.8533,
72.4883)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE6D3
RGB	202, 230, 211
RGB Percent	79%, 90%, 83%
CMY	0.2078, 0.0980, 0.1725
CMYK	0.12, 0.00, 0.08, 0.10
HSL	139°, 36%, 85%
HSV	139°, 12%, 90%
XYZ	64.4118, 73.8533, 72.4883
YIQ	219.4620, -10.5890, -11.8450

Conversions

Conversions Part 2

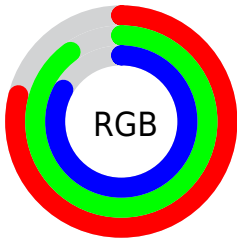
Format	Color
R_{YB}	202, 223, 230
Decimal	13297363
CIE Lab	88.85, -12.77, 6.15
CIE LCh	89, 14.172, 154.300
Yxy	73.8533, 0.3056, 0.3504
Android (android.graphics.Color)	4291487443 (0xFFCAE6D3)
YUV	219.4620, -4.1718, -15.3142
Hunter-Lab	85.9379, -16.6029, 10.1457

Details

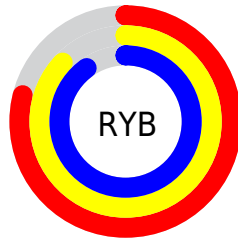
The XYZ color **64.4118, 73.8533, 72.4883** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8074, 64.2863, 77.2973**, and the grayscale version is **67.6878, 71.2129, 77.5508**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4346, 39.0023, 37.6643** is the 20% darker color. If you saturate the color by 10%, you get **56.7838, 70.1382, 62.4086**, and if you desaturate by 10%, it is **73.1615, 78.1288, 83.6155**.

Distribution



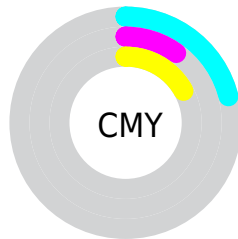
- Red (79%)
- Green (90%)
- Blue (83%)



- Red (79%)
- Yellow (87%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4118, 73.8533, 72.4883 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 64.4118, 73.8533, 72.4883 by changing the saturation by 10% instead.

■ 64.4118, 73.8533,
72.4883

■ 64.4118, 73.8533,
72.4883

430.2539,
473.9669, 488.2626

■ 47.2472, 54.6740,
53.0684

110.2742,
124.6878, 124.4647

■ 33.4399, 39.1408,
37.4693

139.7027,
157.1118, 157.8582

■ 22.6245, 26.8692,
25.2724

173.9500,
194.7195, 196.7467

■ 14.4356, 17.4750,
16.0593

213.3812,
237.8953, 241.5487

■ 8.5080, 10.5738,
9.4113

258.3619,
287.0235, 292.6828

■ 4.4762, 5.7810,
4.9099

309.2573,

■ 1.9749, 2.7124,

342.4886, 350.5674

2.1367

366.4329,
404.6749, 415.6212

■ 0.6198, 0.9835,
0.6375

■ 0.0000, 0.0000,
0.0000

■ 64.4118, 73.8533,
72.4883

■ 64.4118, 73.8533,
72.4883

■ 56.7838, 70.1382,
62.4086

■ 73.1615, 78.1288,
83.6155

■ 50.2250, 66.9509,
53.3411

■ 83.0703, 82.9773,
95.8143

■ 44.6879, 64.2697,
45.2559

■ 87.5882, 85.0764,
106.4127

■ 40.1190, 62.0676,
38.1194

■ 36.4595, 60.3150,
31.8964

■ 33.6441, 58.9790,
26.5493

■ 31.5982, 58.0220,
22.0379

■ 30.2328, 57.3991,
18.3185

■ 29.5316, 57.0898,
15.9279

Harmonies

Analogous

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



66.5396, 73.8533, 65.7810



64.4118, 73.8533, 72.4883



63.8144, 73.8533, 81.8400

Triad

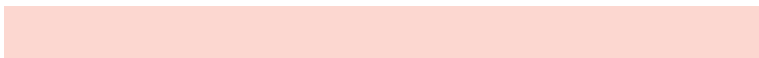
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.4118, 73.8533, 72.4883



70.6916, 73.8533, 100.7844



75.7928, 73.8533, 70.2205

Complementary

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



64.4118, 73.8533, 72.4883



66.8074, 64.2863, 77.2973

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.



76.9881, 73.8533, 79.0040



64.4118, 73.8533, 72.4883



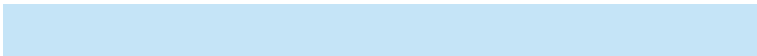
73.9826, 73.8533, 97.0698

Square

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



64.4118, 73.8533, 72.4883



67.3705, 73.8533, 98.6863



76.3151, 73.8533, 88.8967



73.0980, 73.8533, 64.5485

Rectangle

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



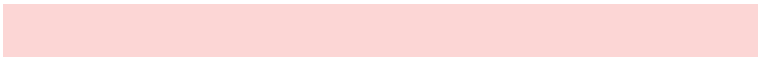
64.4118, 73.8533, 72.4883



64.3474, 73.8533, 88.4498



76.3151, 73.8533, 88.8967



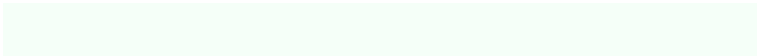
76.3872, 73.8533, 72.8797

Sweetspot

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



64.4139, 73.8564, 72.4899



90.3019, 97.6787, 102.9650



68.8197, 76.2545, 66.9695



19.1428, 20.8166, 21.8051



0.0000, 0.0000, 0.0000



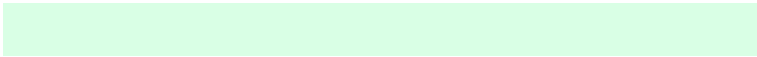
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4139, 73.8564, 72.4899



78.4499, 91.8930, 87.7629



66.2288, 74.5824, 82.0472



14.3793, 16.1651, 16.2620



16.7678, 32.3392, 9.2777



1.2803, 2.4062, 0.9027

Inverse Universe

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



66.8074, 64.2863, 77.2973



82.1218, 77.2103, 95.1367



65.0347, 63.5773, 67.9623



14.7877, 14.5323, 17.0824



21.9343, 10.9079, 19.0806



1.6628, 0.8228, 1.6310

Previews

White Background



This preview shows how the XYZ color 64.4118, 73.8533, 72.4883 looks on a white background.

Color Contrast Check

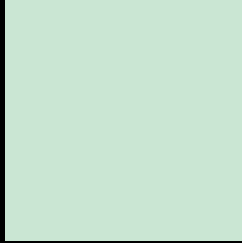
Large Text (above 18pt) WCAG AA × Fail

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 64.4118, 73.8533, 72.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

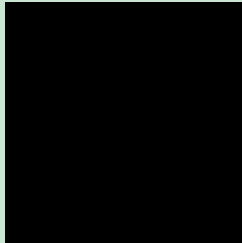
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

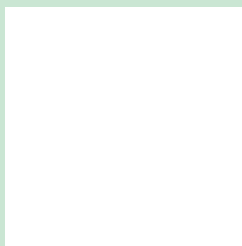
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4118, 73.8533, 72.4883

Background



This preview shows how black text looks on a background with the XYZ color 64.4118, 73.8533, 72.4883.

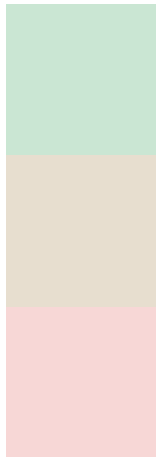


This preview shows how white text looks on a background with the XYZ color 64.4118, 73.8533,

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

64.4118, 73.8533, 72.4883

Protanopia

70.3388, 73.7365, 69.5568

Deuteranopia

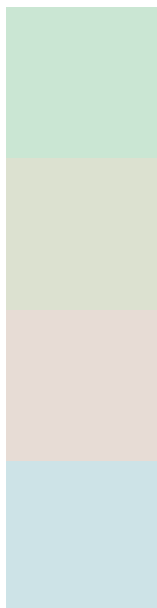
74.7958, 73.2301, 73.8110



Tritanopia

68.8350, 73.5869, 95.3697

Trichromacy



Original Color

64.4118, 73.8533, 72.4883

Protanomaly

67.8256, 73.6201, 70.3098

Deuteranomaly

70.5584, 72.9794, 73.3184

Tritanomaly

67.0697, 73.6868, 86.2893

Monochromacy



Original Color

64.4118, 73.8533, 72.4883

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.2229, 71.8794, 75.3495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4118, 73.8533, 72.4883 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(202, 230, 211)` looks like.

```
.text, #text, p{  
    color:rgb(202, 230, 211)  
}
```

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(202, 230, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 230, 211) }
```

Border

The CSS property to change the border of an element to XYZ 64.4118, 73.8533, 72.4883 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(202, 230, 211) }
```


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

```
.border{ border-color:rgb(202, 230, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 230, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 230, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 230, 211);  
box-shadow:4px 4px 4px 4px rgb(202, 230,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4118, 73.8533, 72.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 230, 211) }
```

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

```
.background{ background-color: rgb(202,  
230, 211) }
```

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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