

Converting Colors

XYZ(64.2450, 78.4993, 73.7057)

Have a look what the booklet for
XYZ(64.2450, 78.4993, 73.7057)
contains.

XYZ(64.1994, 78.4326, 73.3833)	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(64.1994, 78.4326,
73.3833)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF1D3
RGB	189, 241, 211
RGB Percent	74%, 95%, 83%
CMY	0.2588, 0.0549, 0.1725
CMYK	0.22, 0.00, 0.12, 0.05
HSL	145°, 65%, 84%
HSV	145°, 22%, 95%
XYZ	64.1994, 78.4326, 73.3833
YIQ	222.0320, -21.3620, -20.3540

Conversions

Conversions Part 2

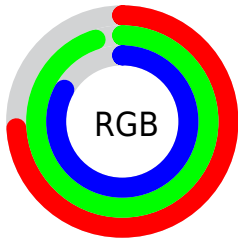
Format	Color
RYB	189, 226, 241
Decimal	12448211
CIELab	90.98, -22.41, 9.09
CIELCh	91, 24.182, 157.916
Yxy	78.4326, 0.2972, 0.3631
Android (android.graphics.Color)	4290638291 (0xFFBDF1D3)
YUV	222.0320, -5.4388, -28.9691
Hunter-Lab	88.5622, -25.5878, 12.8654

Details

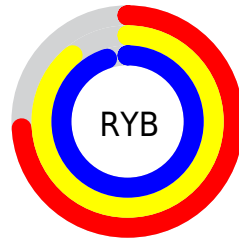
The XYZ color **64.1994, 78.4326, 73.3833** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.2621, 60.2123, 75.0982**, and the grayscale version is **69.5035, 73.1231, 79.6311**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.3414, 42.2491, 37.8501** is the 20% darker color. If you saturate the color by 10%, you get **57.0425, 74.9380, 64.3397**, and if you desaturate by 10%, it is **72.5049, 82.5062, 83.2712**.

Distribution



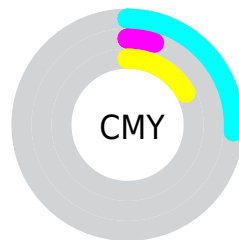
- Red (74%)
- Green (95%)
- Blue (83%)



- Red (74%)
- Yellow (89%)
- Blue (95%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (26%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1994, 78.4326, 73.3833 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 64.1994, 78.4326, 73.3833 by changing the saturation by 10% instead.


 64.1994, 78.4326,
73.3833

 64.1994, 78.4326,
73.3833

429.5002,
489.6347, 491.4485

 47.0745, 58.4294,
53.7957

 109.9702,
131.1598, 125.7472

 33.3027, 42.1540,
38.0463


139.3468,
164.6526, 159.3605

 22.5188, 29.2219,
25.7165


173.5379,
203.4106, 198.4862

 14.3573, 19.2487,
16.3878

212.9091,
247.8185, 243.5428

 8.4530, 11.8501,
9.6417

257.8255,
298.2604, 294.9487

 4.4404, 6.6417,
5.0596

308.6526,

 1.9542, 3.2391,

355.1208, 353.1227

2.2229

365.7557,
418.7841, 418.4831

■ 0.6080, 1.2578,
0.6875

■ 0.0000, 0.1082,
0.0000

■ 64.1994, 78.4326,
73.3833

■ 64.1994, 78.4326,
73.3833

■ 57.0425, 74.9380,
64.3397

■ 72.5049, 82.5062,
83.2712

■ 50.9747, 71.9858,
56.1128

■ 82.0017, 87.1739,
94.0195

■ 45.9412, 69.5502,
48.6810

■ 90.3812, 91.2474,
105.5404

■ 41.8792, 67.5994,
42.0199

■ 90.7468, 91.3936,
107.4656

■ 38.7190, 66.0979,
36.1037

■ 36.3810, 65.0053,
30.9050

■ 34.7698, 64.2729,
26.3942

■ 33.8530, 63.8721,
23.1037

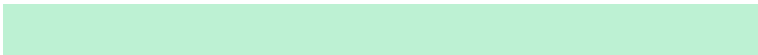
Harmonies

Analogous

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



67.5704, 78.4326, 61.5468



64.1994, 78.4326, 73.3833



63.5240, 78.4326, 90.1096

Triad

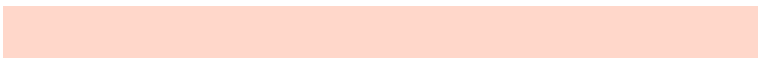
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.1994, 78.4326, 73.3833



76.1747, 78.4326, 123.1767



84.1888, 78.4326, 66.3772

Complementary

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



64.1994, 78.4326, 73.3833



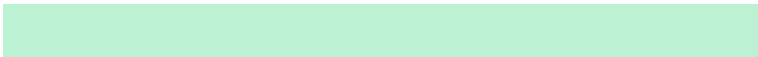
67.2621, 60.2123, 75.0982

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.



86.7785, 78.4326, 80.8570



64.1994, 78.4326, 73.3833



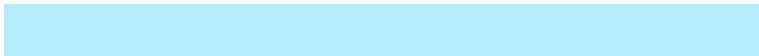
81.9898, 78.4326, 114.7346

Square

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



64.1994, 78.4326, 73.3833



70.2246, 78.4326, 120.4594



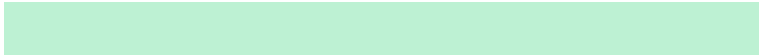
85.9525, 78.4326, 98.6612



79.0449, 78.4326, 57.9028

Rectangle

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



64.1994, 78.4326, 73.3833



64.6569, 78.4326, 102.1104



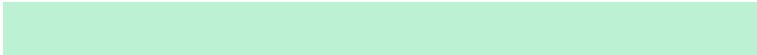
85.9525, 78.4326, 98.6612



85.3993, 78.4326, 70.6196

Sweetspot

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



64.2016, 78.4359, 73.3850



88.2545, 96.6572, 101.3330



69.9572, 81.7002, 60.2276



18.7383, 20.6140, 21.5178



0.0000, 0.0000, 0.0000



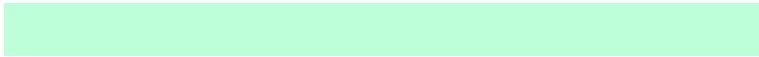
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2016, 78.4359, 73.3850



69.1636, 87.2972, 78.6789



67.6816, 79.8279, 91.7105



15.8434, 17.7674, 18.1981



18.4209, 34.6604, 12.8655



1.5811, 2.9029, 1.3267

Inverse Universe

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



67.2621, 60.2123, 75.0982



73.2316, 63.0696, 80.9520



64.1384, 58.9628, 58.6488



16.1551, 15.9118, 18.3731



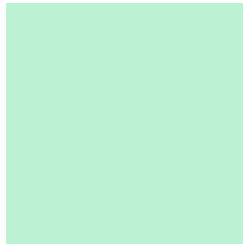
22.2692, 11.1801, 14.6002



1.9022, 0.9499, 1.4759

Previews

White Background



This preview shows how the XYZ color 64.1994, 78.4326, 73.3833 looks on a white background.

Color Contrast Check

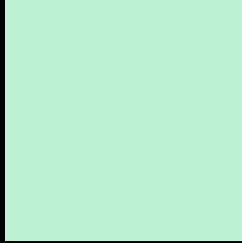
Large Text (above 18pt) WCAG AA × Fail

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 64.1994, 78.4326, 73.3833 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

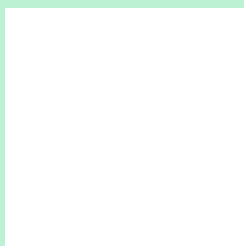
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1994, 78.4326, 73.3833

Background



This preview shows how black text looks on a background with the XYZ color 64.1994, 78.4326, 73.3833.

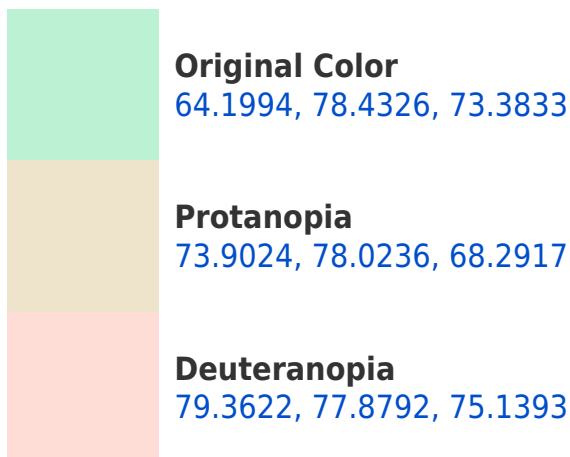


This preview shows how white text looks on a background with the XYZ color 64.1994, 78.4326,

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

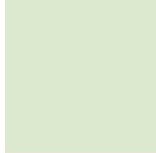
70.6237, 78.4427, 105.1846

Trichromacy



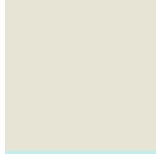
Original Color

64.1994, 78.4326, 73.3833



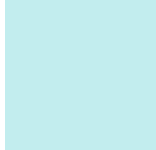
Protanomaly

69.9166, 77.9985, 70.4017



Deuteranomaly

72.8360, 77.3308, 74.7058



Tritanomaly

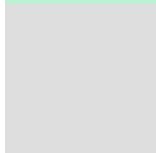
67.9649, 78.2108, 92.4030

Monochromacy



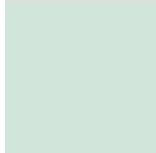
Original Color

64.1994, 78.4326, 73.3833



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.2525, 74.8022, 77.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1994, 78.4326, 73.3833 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(189, 241, 211)` looks like.

```
.text, #text, p{  
    color:rgb(189, 241, 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(189, 241, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 241, 211) }
```

Border

The CSS property to change the border of an element to XYZ 64.1994, 78.4326, 73.3833 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(189, 241, 211) }
```


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

```
.border{ border-color:rgb(189, 241, 211) }
```

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

Here you see how a box with a 4 pixel rgb(189, 241, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 241, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 241, 211);  
box-shadow:4px 4px 4px 4px rgb(189, 241,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1994, 78.4326, 73.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 241, 211) }
```

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

```
.background{ background-color: rgb(189,  
241, 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](#).

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