

Converting Colors

XYZ(64.3018, 79.6724, 78.9134)

Have a look what the booklet for
XYZ(64.3018, 79.6724, 78.9134)
contains.

XYZ(64.4283, 79.7609, 79.0175)	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(64.4283, 79.7609,
79.0175)**

Conversions

Conversions Part 1

Format	Color
Hex	B6F4DB
RGB	182, 244, 219
RGB Percent	71%, 96%, 86%
CMY	0.2863, 0.0431, 0.1412
CMYK	0.25, 0.00, 0.10, 0.04
HSL	156°, 74%, 84%
HSV	156°, 25%, 96%
XYZ	64.4283, 79.7609, 79.0175
YIQ	222.6120, -28.9270, -20.9190

Conversions

Conversions Part 2

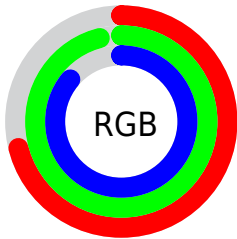
Format	Color
RYB	182, 221, 244
Decimal	11990235
CIELab	91.58, -24.48, 5.75
CIELCh	92, 25.142, 166.780
Yxy	79.7609, 0.2886, 0.3573
Android (android.graphics.Color)	4290180315 (0xFFB6F4DB)
YUV	222.6120, -1.7807, -35.6167
Hunter-Lab	89.3090, -27.5191, 10.0585

Details

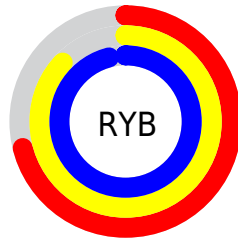
The XYZ color **64.4283, 79.7609, 79.0175** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.3015, 57.1961, 66.6331**, and the grayscale version is **69.8927, 73.5326, 80.0770**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **33.5861, 43.2360, 41.6972** is the 20% darker color. If you saturate the color by 10%, you get **57.9032, 76.5445, 72.1497**, and if you desaturate by 10%, it is **72.0385, 83.5321, 86.3393**.

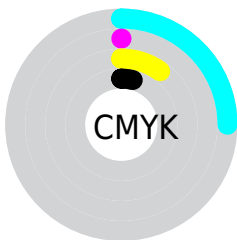
Distribution



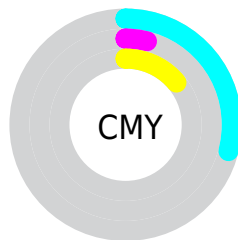
- Red (71%)
- Green (96%)
- Blue (86%)



- Red (71%)
- Yellow (87%)
- Blue (96%)



- Cyan (25%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



- Cyan (29%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4283, 79.7609, 79.0175 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 64.4283, 79.7609, 79.0175 by changing the saturation by 10% instead.

64.4283, 79.7609,
79.0175

64.4283, 79.7609,
79.0175

430.3124,
494.1267, 511.2347

47.2606, 59.5216,
58.3888

110.2978,
133.0295, 133.7824

33.4506, 43.0332,
41.7045

139.7304,
166.8276, 168.7556

22.6327, 29.9111,
28.5462

173.9820,
205.9142, 209.3475

14.4417, 19.7711,
18.4951

213.4179,
250.6735, 255.9765

8.5123, 12.2288,
11.1330

258.4036,
301.4900, 309.0612

4.4790, 6.8997,
6.0410

309.3043,

1.9765, 3.3995,

358.7481, 369.0201

2.8009

366.4855,
422.8322, 436.2718

■ 0.6207, 1.3437,
0.9939

■ 0.0000, 0.1746,
0.0000

■ 64.4283, 79.7609,
79.0175

■ 64.4283, 79.7609,
79.0175

■ 57.9032, 76.5445,
72.1497

■ 72.0385, 83.5321,
86.3393

■ 52.4031, 73.8457,
65.7211

■ 80.7766, 87.8736,
94.1186

■ 47.8722, 71.6380,
59.7237

■ 90.6164, 92.7739,
102.3624

■ 44.2461, 69.8884,
54.1474

■ 91.6421, 93.1842,
107.7640

■ 41.4527, 68.5598,
48.9814

■ 39.4078, 67.6089,
44.2139

■ 38.0078, 66.9828,
39.8323

■ 37.5100, 66.7674,
37.9449

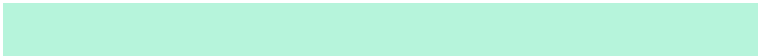
Harmonies

Analogous

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



67.1745, 79.7609, 64.8372



64.4283, 79.7609, 79.0175



64.6064, 79.7609, 97.4460

Triad

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



64.4283, 79.7609, 79.0175



79.4264, 79.7609, 125.2362



84.5722, 79.7609, 63.5687

Complementary

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



64.4283, 79.7609, 79.0175



65.3015, 57.1961, 66.6331

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.



88.2401, 79.7609, 77.0441



64.4283, 79.7609, 79.0175



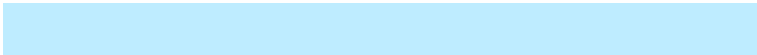
85.1563, 79.7609, 113.3448

Square

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



64.4283, 79.7609, 79.0175



73.0251, 79.7609, 125.9624



88.4597, 79.7609, 95.1753



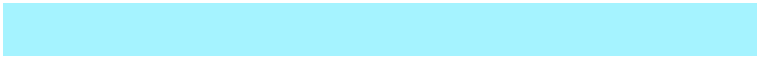
78.6655, 79.7609, 56.8032

Rectangle

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



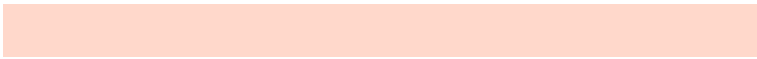
64.4283, 79.7609, 79.0175



66.3564, 79.7609, 109.7539



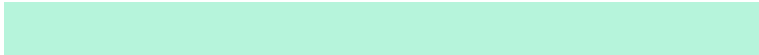
88.4597, 79.7609, 95.1753



86.1221, 79.7609, 67.3705

Sweetspot

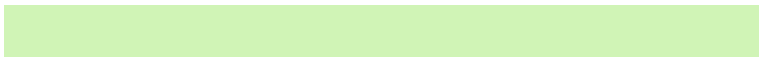
The Sweet Spot groups the original color and five complimentary colors.



64.4305, 79.7642, 79.0193



86.6426, 95.8156, 101.7403



66.7624, 81.4680, 56.4634



18.2266, 20.3502, 21.4964



0.0000, 0.0000, 0.0000



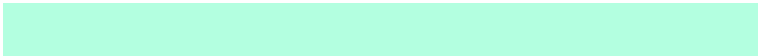
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4305, 79.7642, 79.0193



67.7101, 86.4342, 83.7431



66.4409, 78.1155, 97.1677



16.6973, 18.6381, 19.6905



20.4644, 36.3306, 20.9970



1.8494, 3.2134, 2.1128

Inverse Universe

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



65.3015, 57.1961, 66.6331



68.8120, 57.9209, 68.1016



63.5599, 58.2240, 52.1457



16.7760, 16.5933, 18.5672



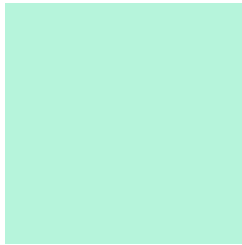
21.5584, 10.9668, 7.6491



1.9442, 0.9837, 0.9326

Previews

White Background



This preview shows how the XYZ color 64.4283, 79.7609, 79.0175 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 64.4283, 79.7609, 79.0175 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

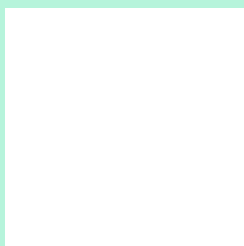
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4283, 79.7609, 79.0175

Background



This preview shows how black text looks on a background with the XYZ color 64.4283, 79.7609, 79.0175.



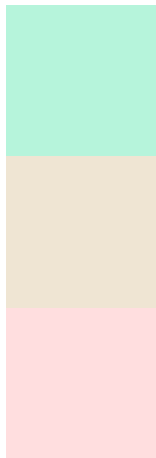
This preview shows how white text looks on a background with the XYZ color 64.4283, 79.7609,

79.0175.

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

64.4283, 79.7609, 79.0175

Protanopia

75.3738, 79.0925, 72.9218

Deuteranopia

80.6806, 78.8303, 80.7755



Tritanopia

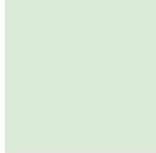
70.8727, 79.8384, 106.2827

Trichromacy



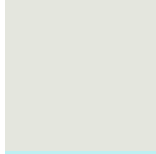
Original Color

64.4283, 79.7609, 79.0175



Protanomaly

70.4739, 78.6061, 75.0765



Deuteranomaly

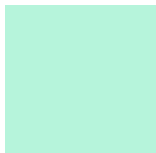
73.4765, 78.3615, 80.3599



Tritanomaly

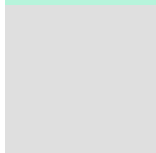
68.4223, 79.6781, 95.7776

Monochromacy



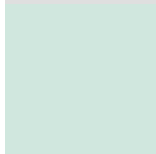
Original Color

64.4283, 79.7609, 79.0175



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.7732, 75.8357, 80.1730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4283, 79.7609, 79.0175 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(182, 244, 219)` looks like.

```
.text, #text, p{  
    color:rgb(182, 244, 219)  
}
```

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(182, 244, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 244, 219) }
```

Border

The CSS property to change the border of an element to XYZ 64.4283, 79.7609, 79.0175 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(182, 244, 219) }
```


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

```
.border{ border-color:rgb(182, 244, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 244, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 244, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 244, 219);  
box-shadow:4px 4px 4px 4px rgb(182, 244,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4283, 79.7609, 79.0175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 244, 219) }
```

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

```
.background{ background-color: rgb(182,  
244, 219) }
```

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