

# Converting Colors

XYZ(64.3055, 78.8091, 78.8402)

Have a look what the booklet for  
XYZ(64.3055, 78.8091, 78.8402)  
contains.

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# Color

**XYZ(64.3055, 78.8091,  
78.8402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8F2DB
RGB	184, 242, 219
RGB Percent	72%, 95%, 86%
CMY	0.2784, 0.0510, 0.1412
CMYK	0.24, 0.00, 0.10, 0.05
HSL	156°, 69%, 84%
HSV	156°, 24%, 95%
XYZ	64.3055, 78.8091, 78.8402
YIQ	222.0360, -27.1850, -19.4490

# Conversions

## Conversions Part 2

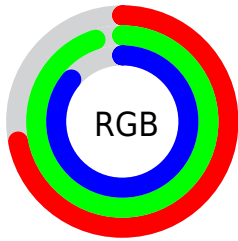
Format	Color
<b>RYB</b>	184, 220, 242
Decimal	12120795
CIELab	91.15, -22.90, 5.14
CIELCh	91, 23.473, 167.343
Yxy	78.8091, 0.2897, 0.3551
Android (android.graphics.Color)	4290310875 (0xFFB8F2DB)
YUV	222.0360, -1.4967, -33.3576
Hunter-Lab	88.7745, -26.0555, 9.4870

# Details

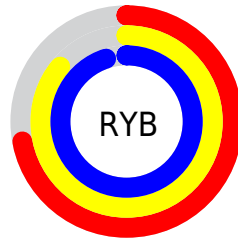
The XYZ color **64.3055, 78.8091, 78.8402** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0237, 57.6653, 66.7383**, and the grayscale version is **69.4824, 73.1009, 79.6068**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.4657, 42.5440, 41.5699** is the 20% darker color. If you saturate the color by 10%, you get **57.7699, 75.5838, 72.1286**, and if you desaturate by 10%, it is **71.9100, 82.5813, 85.9855**.

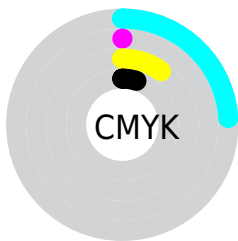
# Distribution



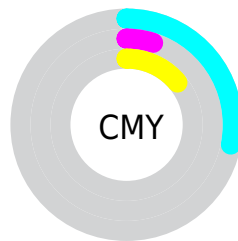
- Red (72%)
- Green (95%)
- Blue (86%)



- Red (72%)
- Yellow (86%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (28%)
- Magenta (5%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3055, 78.8091, 78.8402 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 64.3055, 78.8091, 78.8402 by changing the saturation by 10% instead.



64.3055, 78.8091,  
78.8402

64.3055, 78.8091,  
78.8402

429.8768,  
490.9103, 510.6189

47.1608, 58.7389,  
58.2439

110.1221,  
131.6901, 133.5305

33.3712, 42.4029,  
41.5888

139.5246,  
165.2696, 168.4616

22.5716, 29.4169,  
28.4563

173.7438,  
204.1210, 209.0080

14.3964, 19.3965,  
18.4278

213.1450,  
248.6287, 255.5882

8.4805, 11.9571,  
11.0850

258.0935,  
299.1771, 308.6209

4.4583, 6.7145,  
6.0091

308.9547,

1.9645, 3.2842,

356.1506, 368.5246

2.7818

366.0941,  
419.9335, 435.7177

■ 0.6139, 1.2818,  
0.9843

■ 0.0000, 0.1271,  
0.0000

■ 64.3055, 78.8091,  
78.8402

■ 64.3055, 78.8091,  
78.8402

■ 57.7699, 75.5838,  
72.1286

■ 71.9100, 82.5813,  
85.9855

■ 52.2450, 72.8692,  
65.8366

■ 80.6249, 86.9152,  
93.5677

■ 47.6768, 70.6396,  
59.9570

■ 89.9050, 91.5317,  
101.5688

■ 44.0034, 68.8633,  
54.4799

■ 91.0436, 91.9872,  
107.5645

■ 41.1555, 67.5047,  
49.3955

■ 39.0525, 66.5225,  
44.6927

■ 37.5967, 65.8664,  
40.3598

■ 36.9441, 65.5834,  
37.9175

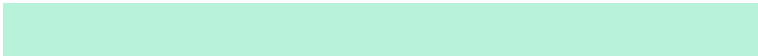
# Harmonies

## Analogous

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



66.8163, 78.8091, 65.4990



64.3055, 78.8091, 78.8402



64.5240, 78.8091, 95.9340

# Triad

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



64.3055, 78.8091, 78.8402



78.3621, 78.8091, 120.9721



82.9144, 78.8091, 63.9323

# Complementary

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



64.3055, 78.8091, 78.8402



65.0237, 57.6653, 66.7383

# 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.



86.3451, 78.8091, 76.4240



64.3055, 78.8091, 78.8402



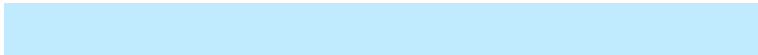
83.6230, 78.8091, 109.9371

# Square

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



64.3055, 78.8091, 78.8402



72.4309, 78.8091, 121.8444



86.6111, 78.8091, 93.1783

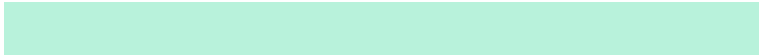


77.4362, 78.8091, 57.6882



# Rectangle

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



64.3055, 78.8091, 78.8402



66.1875, 78.8091, 107.2192



86.6111, 78.8091, 93.1783



84.3576, 78.8091, 67.4586

# Sweetspot

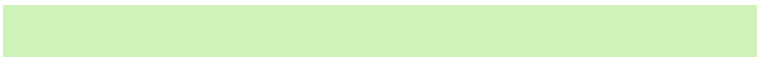
The Sweet Spot groups the original color and five complimentary colors.



64.3077, 78.8124, 78.8420



87.6662, 96.3228, 102.7143



66.1945, 80.2627, 57.3521



18.6343, 20.5524, 21.8734



0.0000, 0.0000, 0.0000

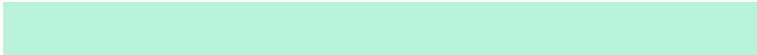


20.3446, 21.4041, 23.3091

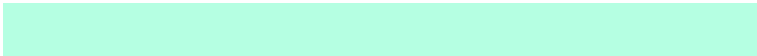


# Same Dimension

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



64.3077, 78.8124, 78.8420



68.5103, 86.8228, 84.8636



65.8499, 76.7105, 95.3442



15.9665, 17.8166, 18.8463



19.9150, 35.2580, 20.7332



1.7056, 2.9527, 1.9822



# Inverse Universe

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



65.0237, 57.6653, 66.7383



69.4540, 59.0001, 68.9473



63.6423, 59.0803, 53.3980



16.0324, 15.8627, 17.7271



20.8679, 10.6196, 7.2209

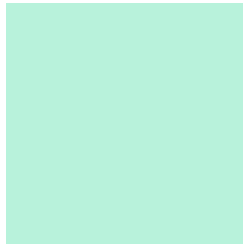


1.7837, 0.9025, 0.8519



# Previews

## White Background



This preview shows how the XYZ color 64.3055, 78.8091, 78.8402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

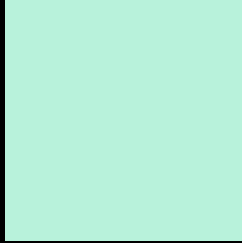
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3055, 78.8091, 78.8402 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

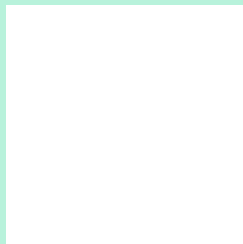
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.3055, 78.8091, 78.8402

## Background



This preview shows how black text looks on a background with the XYZ color 64.3055, 78.8091, 78.8402.



This preview shows how white text looks on a background with the XYZ color 64.3055, 78.8091,



# 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

64.3055, 78.8091, 78.8402

### Protanopia

74.4263, 78.1945, 72.7984

### Deuteranopia

79.6837, 77.9233, 80.6529



## Tritanopia

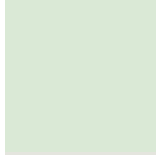
69.7837, 78.4174, 106.0658

# Trichromacy



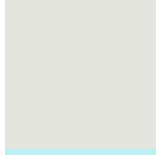
## Original Color

64.3055, 78.8091, 78.8402



## Protanomaly

70.1900, 78.0383, 74.9818



## Deuteranomaly

73.1990, 77.8065, 80.2674



## Tritanomaly

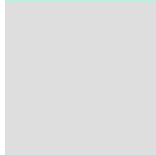
67.5878, 78.3787, 95.5707

# Monochromacy



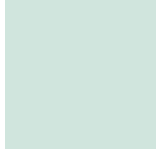
## Original Color

64.3055, 78.8091, 78.8402



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

67.0829, 74.6690, 79.2835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3055, 78.8091, 78.8402 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(184, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(184, 242, 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(184, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 242, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3055, 78.8091, 78.8402 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(184, 242, 219) }
```



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

```
.border{ border-color:rgb(184, 242, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(184, 242,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3055, 78.8091, 78.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 242, 219) }
```

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

```
.background{ background-color: rgb(184,  
242, 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](#).

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