

Converting Colors

XYZ(64.4371, 78.4884, 87.3429)

Have a look what the booklet for
XYZ(64.4371, 78.4884, 87.3429)
contains.

XYZ(64.5360, 78.7388, 87.3980)	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(64.5360, 78.7388,
87.3980)**

Conversions

Conversions Part 1

Format	Color
Hex	B2F2E7
RGB	178, 242, 231
RGB Percent	70%, 95%, 91%
CMY	0.3020, 0.0510, 0.0941
CMYK	0.26, 0.00, 0.05, 0.05
HSL	170°, 71%, 82%
HSV	170°, 26%, 95%
XYZ	64.5360, 78.7388, 87.3980
YIQ	221.6100, -34.6130, -16.9890

Conversions

Conversions Part 2

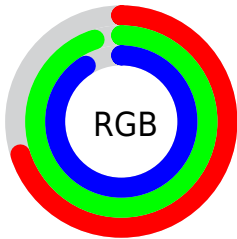
Format	Color
R _Y B	178, 213, 242
Decimal	11727591
CIE Lab	91.12, -22.24, -1.19
CIE LCh	91, 22.273, 183.057
Yxy	78.7388, 0.2798, 0.3413
Android (android.graphics.Color)	4289917671 (0xFFB2F2E7)
YUV	221.6100, 4.6293, -38.2460
Hunter-Lab	88.7349, -25.4648, 3.7177

Details

The XYZ color **64.5360, 78.7388, 87.3980** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7264, 54.3942, 55.3930**, and the grayscale version is **69.1438, 72.7447, 79.2190**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **33.4651, 42.4239, 46.9823** is the 20% darker color. If you saturate the color by 10%, you get **58.8855, 75.8950, 84.1038**, and if you desaturate by 10%, it is **71.1845, 82.0995, 90.8152**.

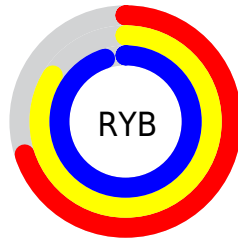
Distribution



Red (70%)

Green (95%)

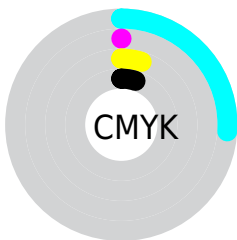
Blue (91%)



Red (70%)

Yellow (84%)

Blue (95%)

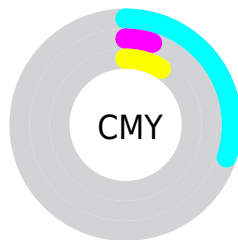


Cyan (26%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (30%)

Magenta (5%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5360, 78.7388, 87.3980 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 64.5360, 78.7388, 87.3980 by changing the saturation by 10% instead.

64.5360, 78.7388,
87.3980

64.5360, 78.7388,
87.3980

430.6943,
490.6723, 539.8799

47.3482, 58.6811,
65.2631

110.4519,
131.5911, 145.6225

33.5201, 42.3564,
47.2218

139.9108,
165.1544, 182.5492

22.6863, 29.3805,
32.8554

174.1908,
203.9884, 225.2436

14.4815, 19.3688,
21.7455

213.6572,
248.4775, 274.1243

8.5402, 11.9371,
13.4735

258.6754,
299.0060, 329.6097

4.4972, 6.7009,
7.6208

309.6107,

1.9871, 3.2757,

355.9584, 392.1184

3.7690

366.8286,
419.7190, 462.0690

■ 0.6267, 1.2773,
1.4995

■ 0.0000, 0.1235,
0.2176

■ 64.5360, 78.7388,
87.3980

■ 64.5360, 78.7388,
87.3980

■ 58.8855, 75.8950,
84.1038

■ 71.1845, 82.0995,
90.8152

■ 54.1747, 73.5320,
80.9244


■ 78.8719, 85.9923,
94.3527


■ 50.3496, 71.6240,
77.8583


■ 87.6454, 90.4432,
98.0149

■ 47.3477, 70.1388,
74.9022


■ 89.8816, 91.5223,
101.4456


 45.0986, 69.0401,
72.0522

 90.5332, 91.7830,
104.8770

 43.5197, 68.2853,
69.3040

 91.0436, 91.9871,
107.5645

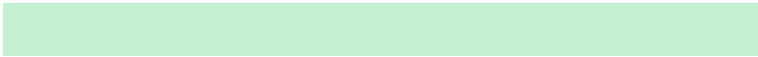
 42.5075, 67.8211,
66.6521

 42.2257, 67.6960,
65.7302

Harmonies

Analogous

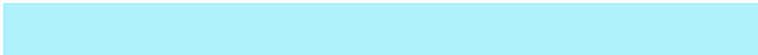
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5928, 78.7388, 72.4324



64.5360, 78.7388, 87.3980



66.1232, 78.7388, 103.7906

Triad

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



64.5360, 78.7388, 87.3980



80.9037, 78.7388, 114.4475



79.8545, 78.7388, 60.9475

Complementary

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



64.5360, 78.7388, 87.3980



61.7264, 54.3942, 55.3930

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.



84.2886, 78.7388, 69.9019



64.5360, 78.7388, 87.3980



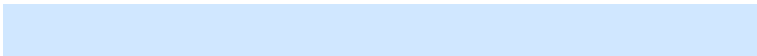
84.9153, 78.7388, 100.5700

Square

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



64.5360, 78.7388, 87.3980



75.4179, 78.7388, 120.5881



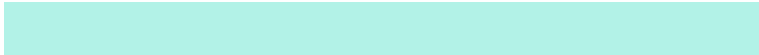
86.1838, 78.7388, 84.0896



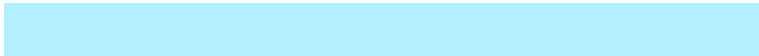
74.2628, 78.7388, 58.3389

Rectangle

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



64.5360, 78.7388, 87.3980



68.5162, 78.7388, 112.9909



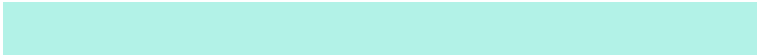
86.1838, 78.7388, 84.0896



81.5390, 78.7388, 63.2547

Sweetspot

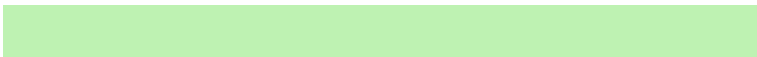
The Sweet Spot groups the original color and five complimentary colors.



64.5383, 78.7420, 87.3998



87.3794, 96.1103, 105.6205



60.9590, 77.6348, 53.8929



18.4129, 20.4247, 22.4773



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.



64.5383, 78.7420, 87.3998



68.9551, 86.7991, 96.3164



60.4400, 67.9795, 93.9440



16.1239, 17.8796, 19.6753



22.7280, 36.3832, 35.5460



1.9212, 3.0389, 3.1174

Inverse Universe

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



61.7264, 54.3942, 55.3930



65.2760, 54.9070, 54.4122



64.9115, 62.6042, 50.7833



15.8837, 15.8032, 16.9437



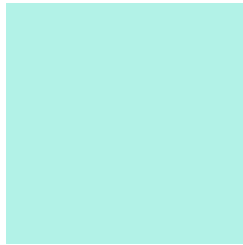
19.9263, 10.2429, 2.2625



1.6893, 0.8648, 0.3548

Previews

White Background



This preview shows how the XYZ color 64.5360, 78.7388, 87.3980 looks on a white background.

Color Contrast Check

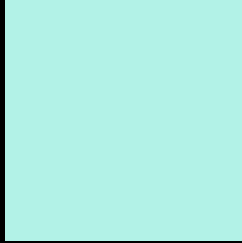
Large Text (above 18pt) WCAG AA × Fail

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 64.5360, 78.7388, 87.3980 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

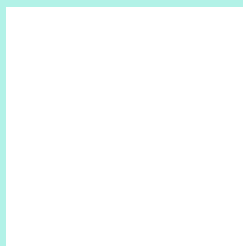
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5360, 78.7388, 87.3980

Background



This preview shows how black text looks on a background with the XYZ color 64.5360, 78.7388, 87.3980.



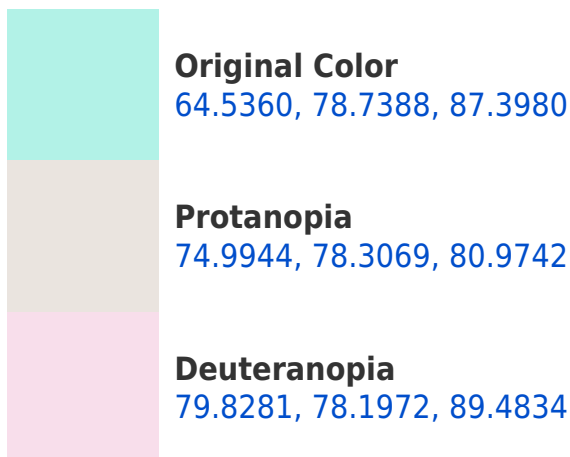
This preview shows how white text looks on a background with the XYZ color 64.5360, 78.7388,

87.3980.

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

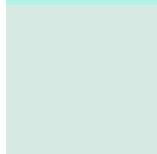
69.0732, 78.4797, 106.1153

Trichromacy



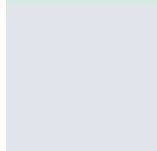
Original Color

64.5360, 78.7388, 87.3980



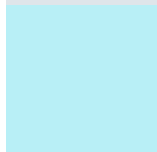
Protanomaly

70.5979, 78.0650, 83.2986



Deuteranomaly

73.3020, 77.6671, 88.9697



Tritanomaly

67.2682, 78.5772, 98.8103

Monochromacy



Original Color

64.5360, 78.7388, 87.3980



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.0635, 74.5967, 82.0981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5360, 78.7388, 87.3980 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(178, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(178, 242, 231)  
}
```

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(178, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 242, 231) }
```

Border

The CSS property to change the border of an element to XYZ 64.5360, 78.7388, 87.3980 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(178, 242, 231) }
```


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

```
.border{ border-color:rgb(178, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(178, 242,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5360, 78.7388, 87.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 242, 231) }
```

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

```
.background{ background-color: rgb(178,  
242, 231) }
```

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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