

Converting Colors

XYZ(64.4149, 76.1084, 81.3781)

Have a look what the booklet for
XYZ(64.4149, 76.1084, 81.3781)
contains.

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Color

**XYZ(64.3010, 76.1374,
81.1190)**

Conversions

Conversions Part 1

Format	Color
Hex	BDECDF
RGB	189, 236, 223
RGB Percent	74%, 93%, 87%
CMY	0.2588, 0.0745, 0.1255
CMYK	0.20, 0.00, 0.06, 0.07
HSL	163°, 55%, 83%
HSV	163°, 20%, 93%
XYZ	64.3010, 76.1374, 81.1190
YIQ	220.4650, -23.8390, -14.0070

Conversions

Conversions Part 2

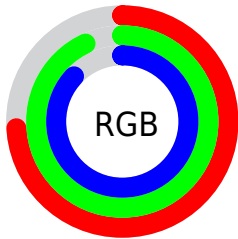
Format	Color
RYB	189, 216, 236
Decimal	12446943
CIELab	89.92, -17.63, 1.32
CIELCh	90, 17.683, 175.726
Yxy	76.1374, 0.2902, 0.3436
Android (android.graphics.Color)	4290637023 (0xFFBDECDF)
YUV	220.4650, 1.2498, -27.5948
Hunter-Lab	87.2567, -21.1596, 5.9603

Details

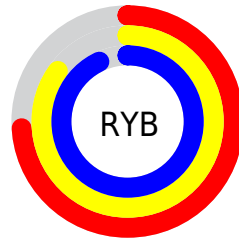
The XYZ color **64.3010, 76.1374, 81.1190** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4530, 58.4944, 63.8266**, and the grayscale version is **68.3576, 71.9175, 78.3182**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.3808, 40.6206, 43.1270** is the 20% darker color. If you saturate the color by 10%, you get **58.0535, 73.0185, 76.3209**, and if you desaturate by 10%, it is **71.5394, 79.7673, 86.1439**.

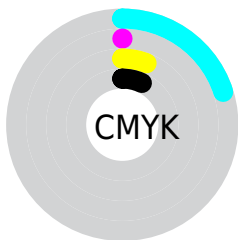
Distribution



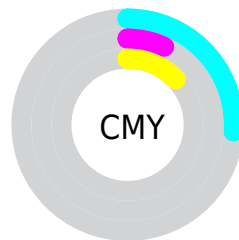
- Red (74%)
- Green (93%)
- Blue (87%)



- Red (74%)
- Yellow (85%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (26%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3010, 76.1374, 81.1190 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 64.3010, 76.1374, 81.1190 by changing the saturation by 10% instead.

64.3010, 76.1374,
81.1190

64.3010, 76.1374,
81.1190

429.8608,
481.8179, 518.5019

47.1571, 56.5452,
60.1080

110.1156,
127.9211, 136.7634

33.3683, 40.6402,
43.0799

139.5171,
160.8814, 172.2340

22.5693, 28.0380,
29.6159

173.7351,
199.0665, 213.3614

14.3948, 18.3543,
19.2977

213.1350,
242.8608, 260.5644

8.4793, 11.2047,
11.7066

258.0821,
292.6487, 314.2614

4.4575, 6.2047,
6.4241


308.9419,

1.9641, 2.9699,


348.8146, 374.8709


3.0317


366.0797,
411.7429, 442.8116


 0.6137, 1.1161,
1.1108


 0.0000, 0.0000,
0.0000


 64.3010, 76.1374,
81.1190


 64.3010, 76.1374,
81.1190


 58.0535, 73.0185,
76.3209


 71.5394, 79.7673,
86.1439


 52.7439, 70.3772,
71.7403

 79.8054, 83.9209,
91.3945

 48.3243, 68.1909,
67.3746

 87.3524, 87.6999,
96.7925

 44.7397, 66.4312,
63.2192

 88.3541, 88.1005,
102.0671

■ 41.9287, 65.0666,
59.2692

■ 89.2868, 88.4736,
106.9789

■ 39.8213, 64.0610,
55.5191

■ 38.3344, 63.3716,
51.9629

■ 37.3281, 62.9264,
48.5918

■ 37.3204, 62.9231,
48.5642

Harmonies

Analogous

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



65.6380, 76.1374, 70.0655



64.3010, 76.1374, 81.1190



65.0526, 76.1374, 93.7990

Triad

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



64.3010, 76.1374, 81.1190



76.0778, 76.1374, 106.5421



77.2055, 76.1374, 64.5510

Complementary

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



64.3010, 76.1374, 81.1190



63.4530, 58.4944, 63.8266

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.



80.2086, 76.1374, 72.8810



64.3010, 76.1374, 81.1190



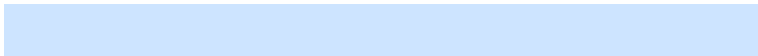
79.5394, 76.1374, 97.2148

Square

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



64.3010, 76.1374, 81.1190



71.7415, 76.1374, 109.3081



81.0793, 76.1374, 84.7083



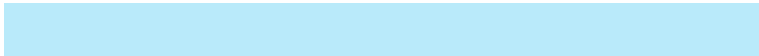
72.9947, 76.1374, 61.1308

Rectangle

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



64.3010, 76.1374, 81.1190



66.6538, 76.1374, 101.3659



81.0793, 76.1374, 84.7083



78.3962, 76.1374, 66.8262

Sweetspot

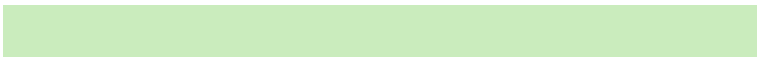
The Sweet Spot groups the original color and five complimentary colors.



64.3032, 76.1406, 81.1207



88.9693, 96.9432, 105.0973



63.6261, 76.2691, 59.5133



18.9073, 20.6816, 22.4078



0.0000, 0.0000, 0.0000



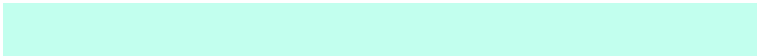
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3032, 76.1406, 81.1207



73.3996, 89.1400, 94.2795



63.2755, 71.1709, 89.7629



15.3296, 17.0467, 18.4184



20.6283, 34.7058, 27.0713



1.6602, 2.7414, 2.3382

Inverse Universe

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



63.4530, 58.4944, 63.8266



72.2114, 64.4443, 70.0842



64.2455, 62.4405, 56.8115



15.2367, 15.1225, 16.5317



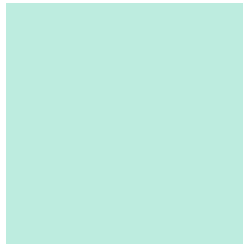
19.6454, 10.0608, 3.9339



1.5822, 0.8058, 0.5172

Previews

White Background



This preview shows how the XYZ color 64.3010, 76.1374, 81.1190 looks on a white background.

Color Contrast Check

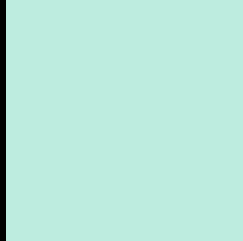
Large Text (above 18pt) WCAG AA × Fail

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 64.3010, 76.1374, 81.1190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

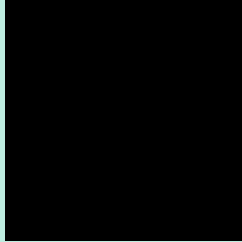
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

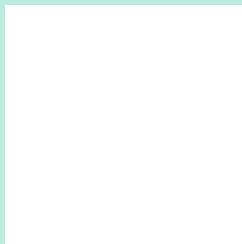
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3010, 76.1374, 81.1190

Background



This preview shows how black text looks on a background with the XYZ color 64.3010, 76.1374, 81.1190.

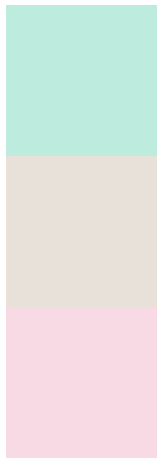


This preview shows how white text looks on a background with the XYZ color 64.3010, 76.1374,

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

64.3010, 76.1374, 81.1190

Protanopia

72.7283, 76.0160, 76.4850

Deuteranopia

77.2943, 75.4630, 83.1650



Tritanopia

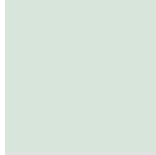
68.3601, 76.0847, 101.5253

Trichromacy



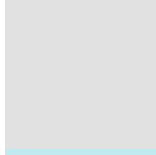
Original Color

64.3010, 76.1374, 81.1190



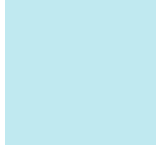
Protanomaly

69.1244, 75.7520, 77.9962



Deuteranomaly

72.0167, 75.5102, 82.7307



Tritanomaly

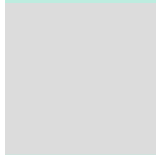
66.6053, 75.7756, 93.5537

Monochromacy



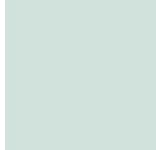
Original Color

64.3010, 76.1374, 81.1190



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.5420, 73.1685, 79.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3010, 76.1374, 81.1190 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, 236, 223)` looks like.

```
.text, #text, p{  
    color:rgb(189, 236, 223)  
}
```

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, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 236, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.3010, 76.1374, 81.1190 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, 236, 223) }
```


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

```
.border{ border-color:rgb(189, 236, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 236, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(189, 236,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3010, 76.1374, 81.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 236, 223) }
```

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

```
.background{ background-color: rgb(189,  
236, 223) }
```

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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