

Converting Colors

XYZ(64.3100, 77.8922, 80.5204)

Have a look what the booklet for
XYZ(64.3100, 77.8922, 80.5204)
contains.

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Color

**XYZ(64.3525, 77.9084,
80.7533)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B9F0DE |
| RGB | 185, 240, 222 |
| RGB Percent | 73%, 94%, 87% |
| CMY | 0.2745, 0.0588, 0.1294 |
| CMYK | 0.23, 0.00, 0.08, 0.06 |
| HSL | 160°, 65%, 83% |
| HSV | 160°, 23%, 94% |
| XYZ | 64.3525, 77.9084, 80.7533 |
| YIQ | 221.5030, -27.0020, -17.2580 |

Conversions

Conversions Part 2

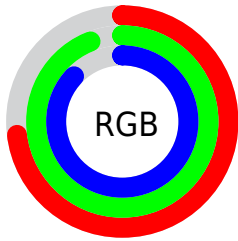
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 185, 218, 240 |
| Decimal | 12185822 |
| CIELab | 90.74, -21.03, 3.00 |
| CIElCh | 91, 21.242, 171.892 |
| Yxy | 77.9084, 0.2886, 0.3493 |
| Android (android.graphics.Color) | 4290375902 (0xFFB9F0DE) |
| YUV | 221.5030, 0.2450, -32.0131 |
| Hunter-Lab | 88.2657, -24.3248, 7.5423 |

Details

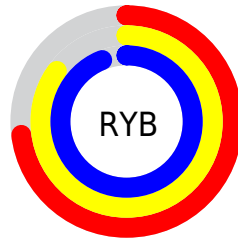
The XYZ color **64.3525, 77.9084, 80.7533** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0664, 57.5370, 64.2324**, and the grayscale version is **69.0945, 72.6928, 79.1625**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **33.4756, 41.8963, 42.8817** is the 20% darker color. If you saturate the color by 10%, you get **58.0161, 74.7628, 75.0890**, and if you desaturate by 10%, it is **71.7197, 81.5839, 86.7252**.

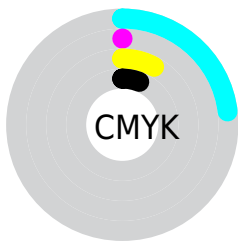
Distribution



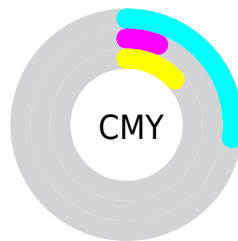
- Red (73%)
- Green (94%)
- Blue (87%)



- Red (73%)
- Yellow (85%)
- Blue (94%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (27%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3525, 77.9084, 80.7533 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 64.3525, 77.9084, 80.7533 by changing the saturation by 10% instead.

64.3525, 77.9084,
80.7533

64.3525, 77.9084,
80.7533

430.0435,
487.8557, 517.2415

47.1990, 57.9987,
59.8086

110.1893,
130.4210, 136.2453

33.4016, 41.8076,
42.8401

139.6034,
163.7927, 171.6296

22.5950, 28.9507,
29.4292

173.8350,
202.4205, 212.6643

14.4138, 19.0435,
19.1574

213.2494,
246.6889, 259.7679

8.4926, 11.7017,
11.6061

258.2122,
296.9822, 313.3588

4.4662, 6.5409,
6.3568

309.0886,

1.9691, 3.1767,

353.6849, 373.8557

2.9909

366.2439,
417.1812, 441.6771

0.6165, 1.2247,
1.0900

0.0000, 0.0817,
0.0000

64.3525, 77.9084,
80.7533

64.3525, 77.9084,
80.7533

58.0161, 74.7628,
75.0890

71.7197, 81.5839,
86.7252

52.6541, 72.1119,
69.7214

80.1573, 85.8034,
93.0051

48.2149, 69.9311,
64.6462

88.9699, 90.2104,
99.5653

44.6391, 68.1900,
59.8569

90.1989, 90.7020,
106.0367

■ 41.8599, 66.8542,
55.3468

■ 90.4515, 90.8030,
107.3672

■ 39.8008, 65.8844,
51.1085

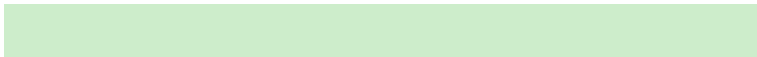
■ 38.3688, 65.2326,
47.1339

■ 37.6341, 64.9121,
44.4714

Harmonies

Analogous

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



66.2687, 77.9084, 67.9616



64.3525, 77.9084, 80.7533



64.9345, 77.9084, 96.2598

Triad

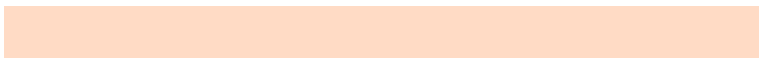
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.3525, 77.9084, 80.7533



77.9402, 77.9084, 115.1085



80.5615, 77.9084, 63.7514

Complementary

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



64.3525, 77.9084, 80.7533



64.0664, 57.5370, 64.2324

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.



83.9802, 77.9084, 74.3410



64.3525, 77.9084, 80.7533



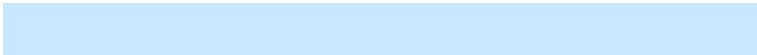
82.4168, 77.9084, 104.2791

Square

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



64.3525, 77.9084, 80.7533



72.6125, 77.9084, 117.3595



84.6750, 77.9084, 89.0396



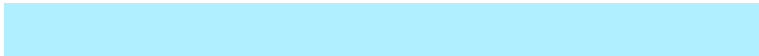
75.5056, 77.9084, 58.9448

Rectangle

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



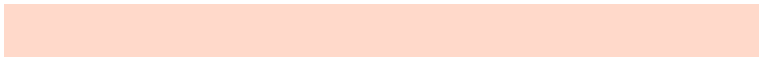
64.3525, 77.9084, 80.7533



66.6739, 77.9084, 105.9938



84.6750, 77.9084, 89.0396



81.9501, 77.9084, 66.6877

Sweetspot

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



64.3547, 77.9116, 80.7551



87.8586, 96.3997, 103.7277



64.6391, 78.5697, 57.6588



18.6789, 20.5703, 22.1083



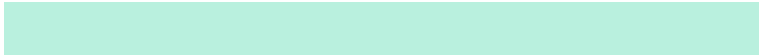
0.0000, 0.0000, 0.0000



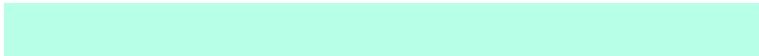
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3547, 77.9116, 80.7551



69.9444, 87.4662, 89.2647



64.2675, 73.6672, 93.2738



16.0145, 17.8358, 19.0994



20.6644, 35.5578, 24.6793



1.7647, 2.9763, 2.2931

Inverse Universe

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



64.0664, 57.5370, 64.2324



69.5564, 59.8786, 66.9041



64.0235, 60.6880, 54.2397



15.9861, 15.8442, 17.4830



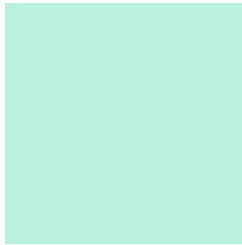
20.4896, 10.4683, 5.2288



1.7487, 0.8885, 0.6673

Previews

White Background



This preview shows how the XYZ color 64.3525, 77.9084, 80.7533 looks on a white background.

Color Contrast Check

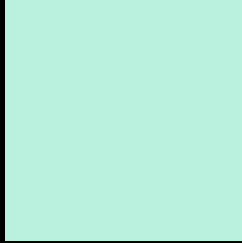
Large Text (above 18pt) WCAG AA × Fail

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 64.3525, 77.9084, 80.7533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

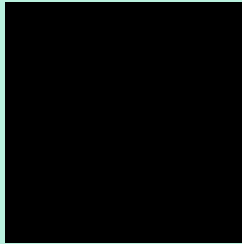
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

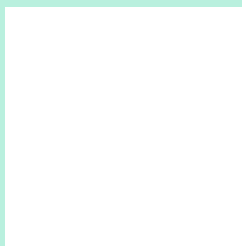
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3525, 77.9084, 80.7533

Background



This preview shows how black text looks on a background with the XYZ color 64.3525, 77.9084, 80.7533.

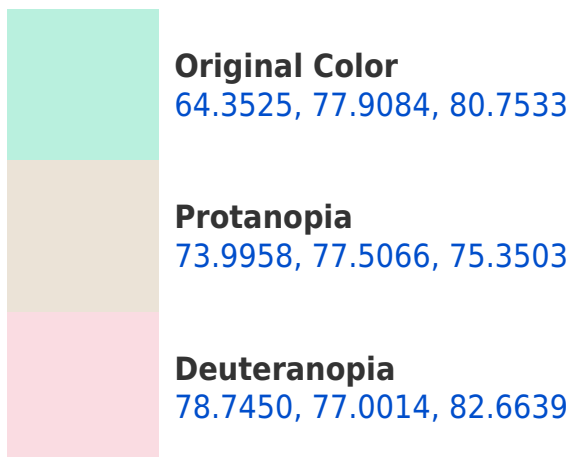


This preview shows how white text looks on a background with the XYZ color 64.3525, 77.9084,

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

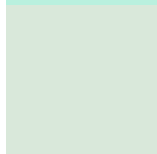
69.0836, 77.6488, 105.1126

Trichromacy



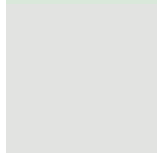
Original Color

64.3525, 77.9084, 80.7533



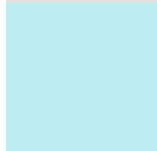
Protanomaly

70.1268, 77.5269, 77.5978



Deuteranomaly

72.4237, 76.5432, 82.1913



Tritanomaly

67.2975, 77.7980, 95.4740

Monochromacy



Original Color

64.3525, 77.9084, 80.7533



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.4986, 74.8679, 80.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3525, 77.9084, 80.7533 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(185, 240, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 240, 222)  
}
```

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(185, 240, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 240, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.3525, 77.9084, 80.7533 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(185, 240, 222) }
```


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

```
.border{ border-color:rgb(185, 240, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 240, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 240, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 240, 222);  
box-shadow:4px 4px 4px 4px rgb(185, 240,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3525, 77.9084, 80.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 240, 222) }
```

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

```
.background{ background-color: rgb(185,  
240, 222) }
```

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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