Converting Colors

XYZ(64.8808, 77.0928, 83.6626)

Have a look what the booklet for XYZ(64.8808, 77.0928, 83.6626) contains.

Color

XYZ(65.0410, 77.3314, 83.4499)

Conversions

Conversions Part 1

Format	Color
Hex	BCEEE2
RGB	188, 238, 226
RGB Percent	74%, 93%, 89%
CMY	0.2627, 0.0666, 0.1137
CMYK	0.21, 0.00, 0.05, 0.07
HSL	166°, 60%, 84%
HSV	166°, 21%, 93%
XYZ	65.0410, 77.3314, 83.4499
YIQ	221.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

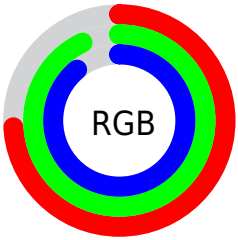
Format	Color
RYB	188, 216, 238
Decimal	12381922
CIELab	90.47, -18.33, 0.55
CIELCh	90, 18.339, 178.290
Yxy	77.3314, 0.2880, 0.3424
Android (android.graphics.Color)	4290572002 (0xFFBCEEE2)
YUV	221.6820, 2.1288, -29.5391
Hunter-Lab	87.9383, -21.8696, 5.2930

Details

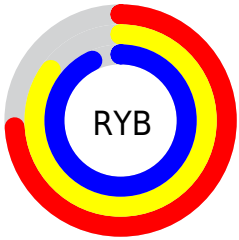
The XYZ color 65.0410, 77.3314, 83.4499 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 63.6711, 58.3157, 62.5470, and the grayscale version is 69.2072, 72.8113, 79.2915.

A 20% lighter version of the original color is 91.4662, 98.1525, 108.7323, and 33.9102, 41.4645, 44.7443 is the 20% darker color. If you saturate the color by 10%, you get 58.8839, 74.2485, 79.1384, and if you desaturate by 10%, it is 72.1955, 80.9296, 87.9477.

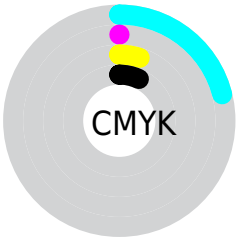
Distribution



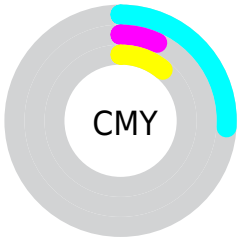
- Red (74%)
- Green (93%)
- Blue (89%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (26%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0410, 77.3314, 83.4499 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 65.0410, 77.3314, 83.4499 by changing the saturation by 10% instead.

65.0410, 77.3314, 83.4499

65.0410, 77.3314, 83.4499

432.4822, 485.8932, 526.4949

47.7591, 57.5249, 62.0186

111.1742, 129.6072, 140.0603

33.8466, 41.4268, 44.6118

140.7562, 162.8453, 176.0764

22.9381, 28.6527, 30.8111

175.1690, 201.3293, 217.7913

14.6683, 18.8183, 20.1978

214.7780, 245.4438, 265.6234

8.6717, 11.5390, 12.3534

259.9484, 295.5730, 319.9912

4.5831, 6.4306, 6.8594

311.0457,

2.0370, 3.1087,

352.1014, 381.3134

368.4352, 415.4133, 450.0085

3.2972

0.6546, 1.1887, 1.2483

0.0000, 0.0525, 0.0189

65.0410, 77.3314, 83.4499

65.0410, 77.3314, 83.4499

58.8839, 74.2485, 79.1384

72.1955, 80.9296, 87.9477

53.6701, 71.6467, 75.0046

80.3851, 85.0564, 92.6300

49.3500, 69.5028, 71.0463

88.0150, 88.8915, 97.4251

45.8671, 67.7875, 67.2596

88.8922, 89.2424, 102.0443

43.1582, 66.4683, 63.6401

41.1505, 65.5077, 60.1831

39.7576, 64.8612, 56.8832

38.9033, 64.4828, 54.0431

89.7965, 89.6041, 106.8063

89.8659, 89.6319, 107.1720

Harmonies

Analogous

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

66.2573, 77.3314, 71.6212

65.0410, 77.3314, 83.4499

66.0122, 77.3314, 96.7354

Triad

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

65.0410, 77.3314, 83.4499

77.7567, 77.3314, 108.4334

78.2305, 77.3314, 64.5060

Complementary

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

65.0410, 77.3314, 83.4499

63.6711, 58.3157, 62.5470

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.

81.5362, 77.3314, 72.7986

65.0410, 77.3314, 83.4499

81.2547, 77.3314, 98.1733

Square

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

65.0410, 77.3314, 83.4499

73.2385, 77.3314, 112.0266

82.6649, 77.3314, 84.9561

73.7644, 77.3314, 61.4122

Rectangle

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

65.0410, 77.3314, 83.4499

67.7930, 77.3314, 104.4787

82.6649, 77.3314, 84.9561

79.5211, 77.3314, 66.7326

Sweetspot

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

65.0432, 77.3346, 83.4516

89.0576, 96.9785, 105.5624

63.6072, 77.1315, 59.1136

18.9282, 20.6900, 22.5180

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.

65.0432, 77.3346, 83.4516

72.9919, 88.9021, 95.5149

63.2346, 70.9884, 91.2619

16.0757, 17.8603, 19.4214

21.7563, 35.9945, 30.4294

1.8484, 3.0098, 2.7339

Inverse Universe

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

63.6711, 58.3157, 62.5470

71.1333, 63.1139, 67.1786

65.1098, 63.3508, 56.3744

15.9283, 15.8210, 17.1788

20.1275, 10.3234, 3.3219

1.7122, 0.8739, 0.4752

Previews

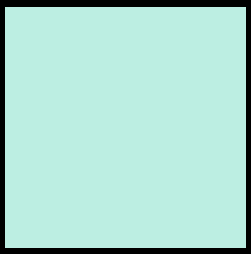
White Background

This preview shows how the XYZ color 65.0410, 77.3314, 83.4499 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



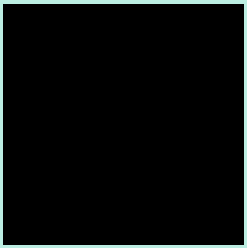
This preview shows how the XYZ color 65.0410, 77.3314, 83.4499 looks on a black background.

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 65.0410, 77.3314, 83.4499 Background



This preview shows how black text looks on a background with the XYZ color 65.0410, 77.3314, 83.4499.

This preview shows how white text looks on a background with the XYZ color 65.0410, 77.3314,

83.4499.

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
65.0410, 77.3314, 83.4499

Protanopia
73.5868, 76.8308, 77.9692

Deuteranopia
78.5875, 76.8560, 85.5556

Tritanopia
69.1448, 77.2749, 104.1997

Trichromacy

Original Color
65.0410, 77.3314, 83.4499

Protanomaly
70.0969, 76.6193, 80.2017

Deuteranomaly
72.9760, 76.7641, 85.0994

Tritanomaly
67.3719, 76.9641, 96.0987

Monochromacy

Original Color
65.0410, 77.3314, 83.4499

Achromatopsia
69.4303, 73.0461, 79.5472

Achromatomaly
67.6410, 74.5162, 80.6300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0410, 77.3314, 83.4499 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(188, 238, 226) looks like.

```
.text, #text, p{
    color:rgb(188, 238, 226)
}
```

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(188, 238, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 238, 226) }
```

Border

The CSS property to change the border of an element to XYZ 65.0410, 77.3314, 83.4499 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(188, 238, 226) }
```

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

```
.border{ border-color:rgb(188, 238, 226) }
```

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

Here you see how a box with a 4 pixel rgb(188, 238, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 238, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 238, 226); box-shadow:4px 4px 4px 4px rgb(188, 238, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0410, 77.3314, 83.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(188, 238, 226) }
```

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

```
.background{ background-color:rgb(188,
238, 226) }
```

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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