

Converting Colors

XYZ(64.3675, 77.6624, 80.4304)

Have a look what the booklet for
XYZ(64.3675, 77.6624, 80.4304)
contains.

XYZ(64.3010, 77.4460, 80.6668)	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(64.3010, 77.4460,
80.6668)**

Conversions

Conversions Part 1

Format	Color
Hex	BAEFDE
RGB	186, 239, 222
RGB Percent	73%, 94%, 87%
CMY	0.2706, 0.0627, 0.1294
CMYK	0.22, 0.00, 0.07, 0.06
HSL	161°, 62%, 83%
HSV	161°, 22%, 94%
XYZ	64.3010, 77.4460, 80.6668
YIQ	221.2150, -26.1310, -16.5230

Conversions

Conversions Part 2

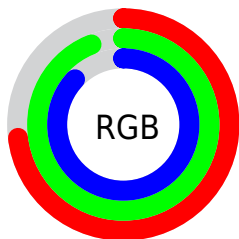
Format	Color
RYB	186, 218, 239
Decimal	12251102
CIELab	90.53, -20.23, 2.70
CIELCh	91, 20.414, 172.412
Yxy	77.4460, 0.2891, 0.3482
Android (android.graphics.Color)	4290441182 (0xFFBAEFDE)
YUV	221.2150, 0.3870, -30.8836
Hunter-Lab	88.0034, -23.5823, 7.2552

Details

The XYZ color **64.3010, 77.4460, 80.6668** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.9377, 57.7823, 64.2864**, and the grayscale version is **68.8905, 72.4782, 78.9287**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.4243, 41.5625, 42.8199** is the 20% darker color. If you saturate the color by 10%, you get **57.9693, 74.3000, 75.1286**, and if you desaturate by 10%, it is **71.6550, 81.1177, 86.5001**.

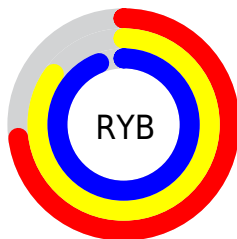
Distribution



Red (73%)

Green (94%)

Blue (87%)



Red (73%)

Yellow (85%)

Blue (94%)

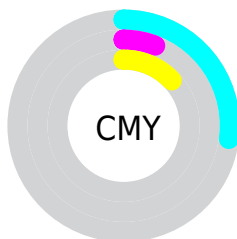


Cyan (22%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (27%)

Magenta (6%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3010, 77.4460, 80.6668 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, 77.4460, 80.6668 by changing the saturation by 10% instead.

64.3010, 77.4460,
80.6668

64.3010, 77.4460,
80.6668

429.8608,
486.2833, 516.9431

47.1571, 57.6190,
59.7378

110.1156,
129.7689, 136.1227

33.3683, 41.5024,
42.7834

139.5171,
163.0335, 171.4866

22.5693, 28.7119,
29.3851

173.7351,
201.5462, 212.4994

14.3948, 18.8630,
19.1242

213.1350,
245.6912, 259.5794

8.4793, 11.5713,
11.5824

258.0821,
295.8531, 313.1452

4.4575, 6.4525,
6.3409

308.9419,

1.9641, 3.1221,

352.4161, 373.6154

2.9813

366.0797,
415.7647, 441.4085

■ 0.6137, 1.1958,
1.0851

■ 0.0000, 0.0583,
0.0000

■ 64.3010, 77.4460,
80.6668

■ 64.3010, 77.4460,
80.6668

■ 57.9693, 74.3000,
75.1286

■ 71.6550, 81.1177,
86.5001

■ 52.6043, 71.6450,
69.8749

■ 80.0702, 85.3290,
92.6285

■ 48.1554, 69.4569,
64.9015

■ 88.5898, 89.5886,
99.0120

■ 44.5641, 67.7059,
60.2024

■ 89.7851, 90.0667,
105.3059

■ 41.7652, 66.3582,
55.7712

■ 90.1579, 90.2158,
107.2693

■ 39.6838, 65.3753,
51.6008

■ 38.2294, 64.7108,
47.6835

■ 37.4191, 64.3563,
44.7877

Harmonies

Analogous

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



66.1013, 77.4460, 68.3111



64.3010, 77.4460, 80.6668



64.9019, 77.4460, 95.5061

Triad

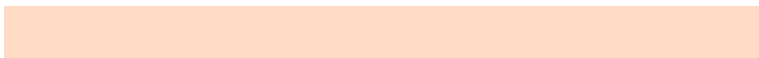
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.3010, 77.4460, 80.6668



77.4170, 77.4460, 113.0811



79.7626, 77.4460, 63.9499

Complementary

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



64.3010, 77.4460, 80.6668



63.9377, 57.7823, 64.2864

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.



83.0643, 77.4460, 74.0535



64.3010, 77.4460, 80.6668



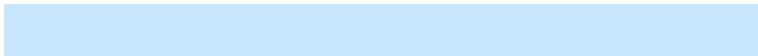
81.6670, 77.4460, 102.6655

Square

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



64.3010, 77.4460, 80.6668



72.3212, 77.4460, 115.3796



83.7769, 77.4460, 88.0932



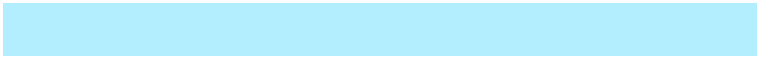
74.9142, 77.4460, 59.4126

Rectangle

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



64.3010, 77.4460, 80.6668



66.5969, 77.4460, 104.7462



83.7769, 77.4460, 88.0932



81.0992, 77.4460, 66.7480

Sweetspot

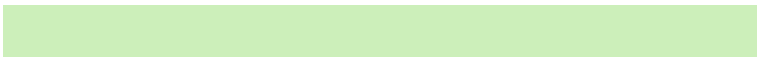
The Sweet Spot groups the original color and five complimentary colors.



64.3032, 77.4492, 80.6685



87.8768, 96.4070, 103.8234



64.5425, 78.0718, 58.1232



18.6831, 20.5720, 22.1305



0.0000, 0.0000, 0.0000



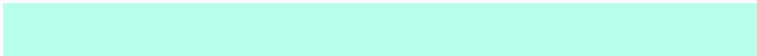
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3032, 77.4492, 80.6685



70.7417, 87.8561, 90.2553



64.1754, 73.3605, 92.4427



16.0191, 17.8377, 19.1233



20.7402, 35.5881, 25.0784



1.7705, 2.9787, 2.3241

Inverse Universe

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



63.9377, 57.7823, 64.2864



70.2449, 61.0068, 67.9005



63.9397, 60.8535, 54.8315



15.9818, 15.8424, 17.4602



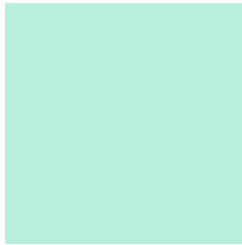
20.4582, 10.4557, 5.0637



1.7456, 0.8873, 0.6514

Previews

White Background



This preview shows how the XYZ color 64.3010, 77.4460, 80.6668 looks on a white background.

Color Contrast Check

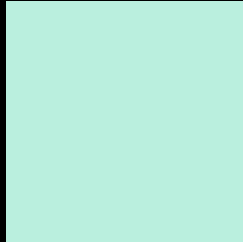
Large Text (above 18pt) WCAG AA × Fail

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, 77.4460, 80.6668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

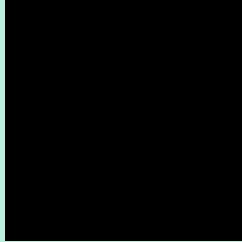
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

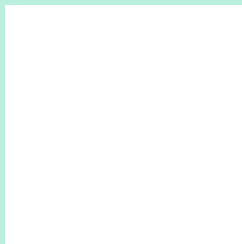
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3010, 77.4460, 80.6668

Background



This preview shows how black text looks on a background with the XYZ color 64.3010, 77.4460, 80.6668.



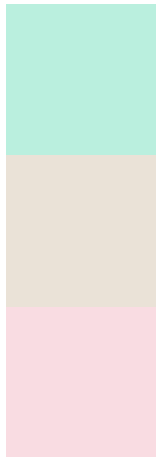
This preview shows how white text looks on a background with the XYZ color 64.3010, 77.4460,

80.6668.

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, 77.4460, 80.6668

Protanopia

73.3938, 76.7914, 75.2439

Deuteranopia

78.3876, 76.8171, 82.6472



Tritanopia

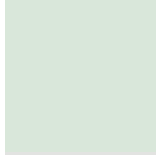
68.8907, 77.1440, 104.1879

Trichromacy



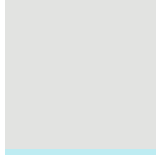
Original Color

64.3010, 77.4460, 80.6668



Protanomaly

69.8461, 76.9655, 77.5042



Deuteranomaly

72.4237, 76.5432, 82.1913



Tritanomaly

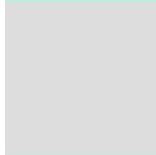
67.2577, 77.3489, 95.3894

Monochromacy



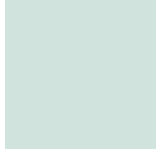
Original Color

64.3010, 77.4460, 80.6668



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.8070, 74.1172, 79.1916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3010, 77.4460, 80.6668 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(186, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(186, 239, 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(186, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 239, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.3010, 77.4460, 80.6668 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(186, 239, 222) }
```


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

```
.border{ border-color:rgb(186, 239, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 239, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 239, 222);  
box-shadow:4px 4px 4px 4px rgb(186, 239,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3010, 77.4460, 80.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 239, 222) }
```

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

```
.background{ background-color: rgb(186,  
239, 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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