

Converting Colors

XYZ(63.6667, 77.5179, 79.5632)

Have a look what the booklet for
XYZ(63.6667, 77.5179, 79.5632)
contains.

XYZ(63.6068, 77.5548, 79.3273)	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(63.6068, 77.5548,
79.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F0DC
RGB	183, 240, 220
RGB Percent	72%, 94%, 86%
CMY	0.2823, 0.0588, 0.1372
CMYK	0.24, 0.00, 0.08, 0.06
HSL	159°, 66%, 83%
HSV	159°, 24%, 94%
XYZ	63.6068, 77.5548, 79.3273
YIQ	220.6770, -27.5520, -18.3040

Conversions

Conversions Part 2

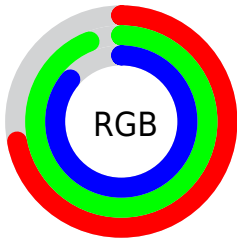
Format	Color
R _Y B	183, 218, 240
Decimal	12054748
CIE Lab	90.58, -22.03, 3.79
CIE LCh	91, 22.358, 170.243
Yxy	77.5548, 0.2885, 0.3517
Android (android.graphics.Color)	4290244828 (0xFFB7F0DC)
YUV	220.6770, -0.3338, -33.0427
Hunter-Lab	88.0652, -25.1890, 8.2384

Details

The XYZ color **63.6068, 77.5548, 79.3273** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.6509, 56.7060, 64.0938**, and the grayscale version is **68.5186, 72.0869, 78.5027**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **32.9853, 41.6647, 41.9009** is the 20% darker color. If you saturate the color by 10%, you get **57.2906, 74.4264, 73.3559**, and if you desaturate by 10%, it is **70.9569, 81.2138, 85.6437**.

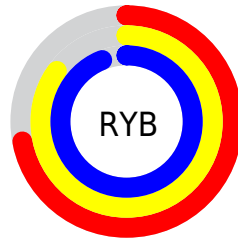
Distribution



Red (72%)

Green (94%)

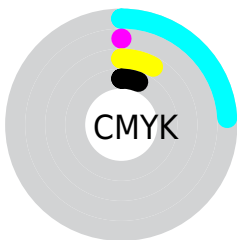
Blue (86%)



Red (72%)

Yellow (85%)

Blue (94%)

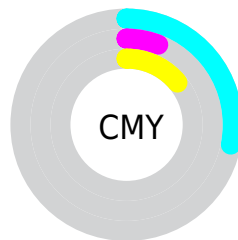


Cyan (24%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (28%)


Magenta (6%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6068, 77.5548, 79.3273 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 63.6068, 77.5548, 79.3273 by changing the saturation by 10% instead.


 63.6068, 77.5548,
79.3273

 63.6068, 77.5548,
79.3273


427.3931,
486.6536, 512.3097

 46.5928, 57.7083,
58.6420


 109.1214,
129.9223, 134.2224

 32.9204, 41.5742,
41.9069


138.3526,
163.2122, 169.2693

 22.2244, 28.7680,
28.7034


172.3870,
201.7520, 209.9405

 14.1394, 18.9054,
18.6129

211.5898,
245.9261, 256.6545

 8.3001, 11.6020,
11.2169

256.3265,
296.1189, 309.8299

 4.3410, 6.4733,
6.0969

306.9624,

 1.8968, 3.1349,

352.7148, 369.8852

2.8344

363.8628,
416.0982, 437.2390

■ 0.5750, 1.2026,
1.0107

■ 0.0000, 0.0638,
0.0000

■ 63.6068, 77.5548,
79.3273

■ 63.6068, 77.5548,
79.3273

■ 57.2906, 74.4264,
73.3559

■ 70.9569, 81.2138,
85.6437

■ 51.9517, 71.7934,
67.7178

■ 79.3811, 85.4179,
92.3064

■ 47.5376, 69.6308,
62.4077

■ 88.9239, 90.1920,
99.3230

■ 43.9883, 67.9078,
57.4183

■ 90.2413, 90.7190,
106.2604

■ 41.2364, 66.5898,
52.7420

■ 90.4515, 90.8031,
107.3672

■ 39.2038, 65.6366,
48.3703

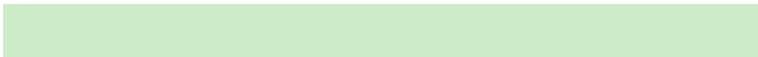
■ 37.7957, 64.9995,
44.2941

■ 37.1440, 64.7160,
41.8903

Harmonies

Analogous

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



65.7450, 77.5548, 66.2250



63.6068, 77.5548, 79.3273



64.0694, 77.5548, 95.5649

Triad

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



63.6068, 77.5548, 79.3273



77.5007, 77.5548, 116.7918



80.8133, 77.5548, 62.8946

Complementary

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



63.6068, 77.5548, 79.3273



63.6509, 56.7060, 64.0938

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.



84.2799, 77.5548, 74.2212



63.6068, 77.5548, 79.3273



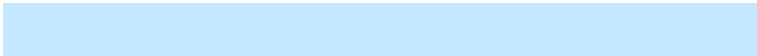
82.3012, 77.5548, 105.7310

Square

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



63.6068, 77.5548, 79.3273



71.9046, 77.5548, 118.6113



84.8378, 77.5548, 89.7761



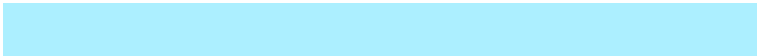
75.5525, 77.5548, 57.5626

Rectangle

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



63.6068, 77.5548, 79.3273



65.7994, 77.5548, 105.9641



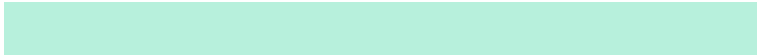
84.8378, 77.5548, 89.7761



82.2380, 77.5548, 66.0546

Sweetspot

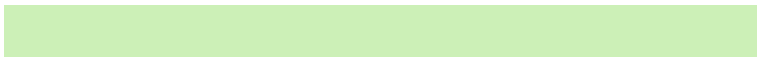
The Sweet Spot groups the original color and five complimentary colors.



63.6090, 77.5580, 79.3290



87.7929, 96.3735, 103.3817



64.5843, 78.5657, 56.5616



18.6637, 20.5642, 22.0281



0.0000, 0.0000, 0.0000



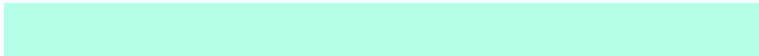
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6090, 77.5580, 79.3290



68.9776, 87.0097, 87.3243



64.2285, 74.3003, 93.3981



15.9981, 17.8293, 19.0129



20.3976, 35.4511, 23.2747



1.7438, 2.9680, 2.1834

Inverse Universe

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



63.6509, 56.7060, 64.0938



69.0365, 58.8331, 66.7489



63.0285, 59.0336, 52.8735



16.0018, 15.8504, 17.5659



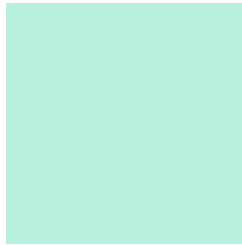
20.6091, 10.5161, 5.8582



1.7600, 0.8930, 0.7269

Previews

White Background



This preview shows how the XYZ color 63.6068, 77.5548, 79.3273 looks on a white background.

Color Contrast Check

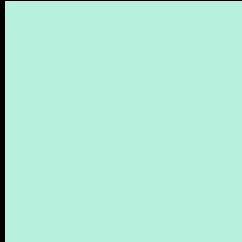
Large Text (above 18pt) WCAG AA × Fail

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 63.6068, 77.5548, 79.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

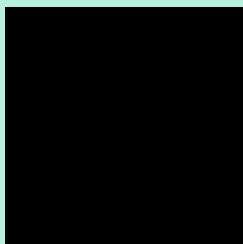
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

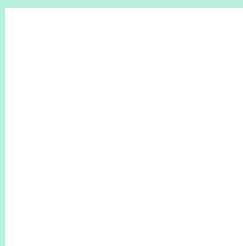
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6068, 77.5548, 79.3273

Background



This preview shows how black text looks on a background with the XYZ color 63.6068, 77.5548, 79.3273.

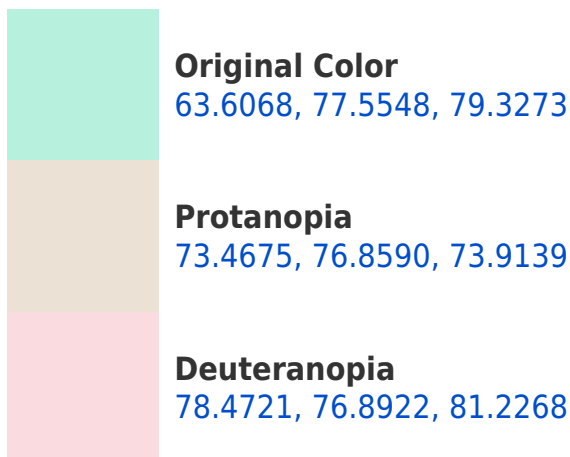


This preview shows how white text looks on a background with the XYZ color 63.6068, 77.5548,

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

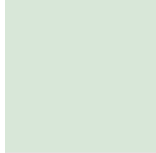
68.8329, 77.5196, 105.1008

Trichromacy



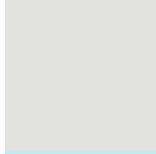
Original Color

63.6068, 77.5548, 79.3273



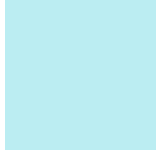
Protanomaly

69.2895, 76.7086, 76.1200



Deuteranomaly

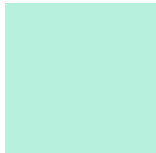
72.1524, 76.4346, 80.7626



Tritanomaly

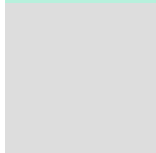
66.8047, 77.5440, 95.4509

Monochromacy



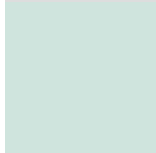
Original Color

63.6068, 77.5548, 79.3273



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.5267, 73.9727, 79.1784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6068, 77.5548, 79.3273 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(183, 240, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 240, 220)  
}
```

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(183, 240, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 240, 220) }
```

Border

The CSS property to change the border of an element to XYZ 63.6068, 77.5548, 79.3273 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(183, 240, 220) }
```


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

```
.border{ border-color:rgb(183, 240, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 240, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 240, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 240, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 240,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6068, 77.5548, 79.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 240, 220) }
```

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

```
.background{ background-color: rgb(183,  
240, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor