

Converting Colors

XYZ(63.0403, 72.7759, 80.5531)

Have a look what the booklet for
XYZ(63.0403, 72.7759, 80.5531)
contains.

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Color

**XYZ(63.1020, 72.9977,
80.5762)**

Conversions

Conversions Part 1

Format	Color
Hex	BFE6DF
RGB	191, 230, 223
RGB Percent	75%, 90%, 87%
CMY	0.2510, 0.0980, 0.1255
CMYK	0.17, 0.00, 0.03, 0.10
HSL	169°, 44%, 83%
HSV	169°, 17%, 90%
XYZ	63.1020, 72.9977, 80.5762
YIQ	217.5410, -20.9970, -10.4450

Conversions

Conversions Part 2

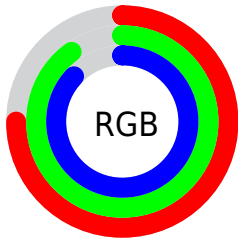
Format	Color
RYB	191, 212, 230
Decimal	12576479
CIELab	88.45, -14.02, -0.82
CIELCh	88, 14.039, 183.359
Yxy	72.9977, 0.2912, 0.3369
Android (android.graphics.Color)	4290766559 (0xFFBFE6DF)
YUV	217.5410, 2.6913, -23.2765
Hunter-Lab	85.4387, -17.6839, 3.8914

Details

The XYZ color **63.1020, 72.9977, 80.5762** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4596, 58.1639, 61.4168**, and the grayscale version is **66.3187, 69.7725, 75.9822**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **32.5205, 38.4176, 42.7471** is the 20% darker color. If you saturate the color by 10%, you get **57.2163, 70.0290, 77.4307**, and if you desaturate by 10%, it is **69.9138, 76.4461, 83.8390**.

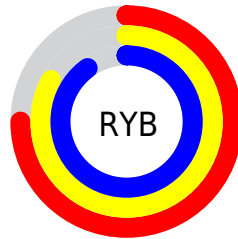
Distribution



Red (75%)

Green (90%)

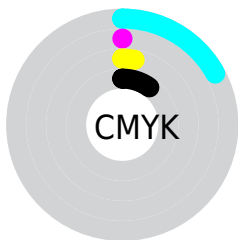
Blue (87%)



Red (75%)

Yellow (83%)

Blue (90%)

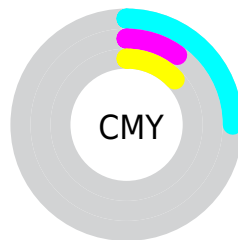


Cyan (17%)

Magenta (0%)

Yellow (3%)

Black (10%)



Cyan (25%)


Magenta (10%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1020, 72.9977, 80.5762 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 63.1020, 72.9977, 80.5762 by changing the saturation by 10% instead.


 63.1020, 72.9977,
80.5762

 63.1020, 72.9977,
80.5762


425.5934,
471.0068, 516.6304

 46.1827, 53.9741,
59.6637


 108.3976,
123.4739, 135.9942

 32.5952, 38.5809,
42.7241


137.5047,
155.6954, 171.3368

 21.9743, 26.4339,
29.3389


171.4050,
193.0848, 212.3265

 13.9545, 17.1485,
19.0896

210.4640,
236.0268, 259.3819

 8.1705, 10.3404,
11.5575

255.0469,
284.9055, 312.9214

 4.2570, 5.6253,
6.3243

305.5192,

 1.8485, 2.6186,

340.1055, 373.3636

2.9713

362.2463,
402.0112, 441.1271

■ 0.5466, 0.9360,
1.0800

■ 0.0000, 0.0000,
0.0000

■ 63.1020, 72.9977,
80.5762

■ 63.1020, 72.9977,
80.5762

■ 57.2163, 70.0290,
77.4307

■ 69.9138, 76.4461,
83.8390

■ 52.2080, 67.5092,
74.3952


■ 77.6850, 80.3856,
87.2165

■ 48.0336, 65.4176,
71.4686

■ 84.5901, 83.8771,
90.6254

■ 44.6431, 63.7286,
68.6481


■ 85.1952, 84.1191,
93.8118


 41.9811, 62.4137,
65.9306


 85.8143, 84.3667,
97.0718


 39.9851, 61.4406,
63.3126


 86.4474, 84.6200,
100.4057

 38.5816, 60.7715,
60.7902

 87.0946, 84.8789,
103.8140

 37.6760, 60.3575,
58.3584

 87.5881, 85.0763,
106.4127

 37.4516, 60.2576,
57.6342

Harmonies

Analogous

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



63.7406, 72.9977, 71.4345



63.1020, 72.9977, 80.5762



64.1006, 72.9977, 90.1485

Triad

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



63.1020, 72.9977, 80.5762



73.0129, 72.9977, 96.0418



72.3335, 72.9977, 63.9972

Complementary

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



63.1020, 72.9977, 80.5762



61.4596, 58.1639, 61.4168

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.



74.9460, 72.9977, 69.6921



63.1020, 72.9977, 80.5762



75.3471, 72.9977, 88.1124

Square

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



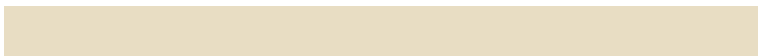
63.1020, 72.9977, 80.5762



69.7631, 72.9977, 99.5213



76.0657, 72.9977, 78.3979



69.0025, 72.9977, 62.3314

Rectangle

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



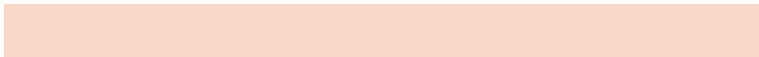
63.1020, 72.9977, 80.5762



65.5800, 72.9977, 95.3506



76.0657, 72.9977, 78.3979



73.3284, 72.9977, 65.4797

Sweetspot

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



63.1041, 73.0007, 80.5778



90.1474, 97.5149, 106.7580



61.0314, 72.3845, 60.0465



19.1531, 20.8002, 22.7868



0.0000, 0.0000, 0.0000



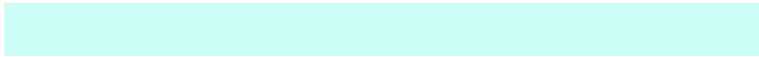
20.3446, 21.4041, 23.3091

Same Dimension

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



63.1041, 73.0007, 80.5778



77.2723, 91.0015, 100.5546



60.7518, 66.7536, 84.5492



14.6906, 16.2897, 17.9013



21.2434, 34.1295, 32.8458



1.5989, 2.5337, 2.5805

Inverse Universe

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



61.4596, 58.1639, 61.4168



74.8631, 69.2578, 72.4779



63.4783, 63.4643, 58.1957



14.4821, 14.4100, 15.4733



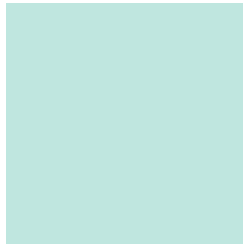
18.7364, 9.6288, 2.2411



1.4154, 0.7239, 0.3281

Previews

White Background



This preview shows how the XYZ color 63.1020, 72.9977, 80.5762 looks on a white background.

Color Contrast Check

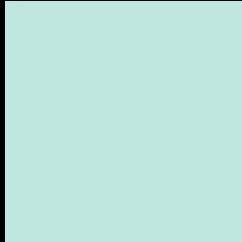
Large Text (above 18pt) WCAG AA × Fail

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 63.1020, 72.9977, 80.5762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

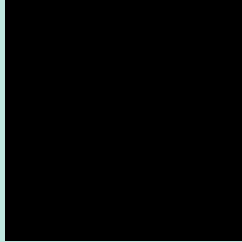
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

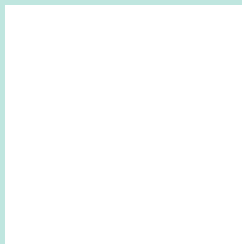
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1020, 72.9977, 80.5762

Background



This preview shows how black text looks on a background with the XYZ color 63.1020, 72.9977, 80.5762.



This preview shows how white text looks on a background with the XYZ color 63.1020, 72.9977,

80.5762.

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

63.1020, 72.9977, 80.5762

Protanopia

69.6121, 72.4171, 76.6386

Deuteranopia

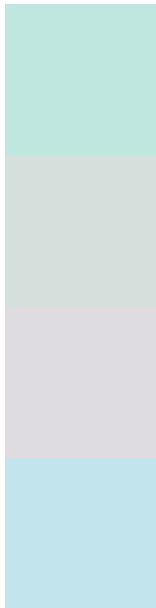
74.3035, 72.7926, 82.0857



Tritanopia

66.4562, 73.1328, 96.9996

Trichromacy



Original Color

63.1020, 72.9977, 80.5762

Protanomaly

67.0145, 72.6248, 78.1961

Deuteranomaly

69.6152, 72.3106, 81.5224

Tritanomaly

65.2776, 73.0706, 90.7843

Monochromacy



Original Color

63.1020, 72.9977, 80.5762

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.0520, 70.8198, 77.9511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1020, 72.9977, 80.5762 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(191, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(191, 230, 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(191, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 230, 223) }
```

Border

The CSS property to change the border of an element to XYZ 63.1020, 72.9977, 80.5762 is called "border". The border property can be set on classes, ids or directly on the HTML element.

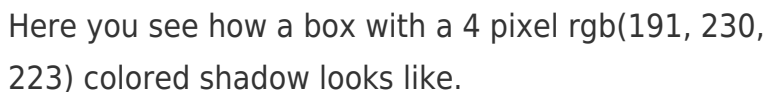
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 230, 223) }
```


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

```
.border{ border-color:rgb(191, 230, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 230, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 230, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 230, 223); box-shadow:4px 4px 4px 4px rgb(191, 230, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1020, 72.9977, 80.5762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 230, 223) }
```

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

```
.background{ background-color: rgb(191,  
230, 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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