

Converting Colors

XYZ(59.7972, 69.4047, 80.1200)

Have a look what the booklet for
XYZ(59.7972, 69.4047, 80.1200)
contains.

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Color

**XYZ(59.7729, 69.2454,
80.0274)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E1DF
RGB	183, 225, 223
RGB Percent	72%, 88%, 87%
CMY	0.2823, 0.1176, 0.1255
CMYK	0.19, 0.00, 0.01, 0.12
HSL	177°, 41%, 80%
HSV	177°, 19%, 88%
XYZ	59.7729, 69.2454, 80.0274
YIQ	212.2140, -24.3900, -9.5260

Conversions

Conversions Part 2

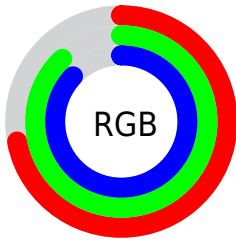
Format	Color
RYB	183, 205, 225
Decimal	12050911
CIELab	86.63, -13.97, -3.55
CIElCh	87, 14.419, 194.257
Yxy	69.2454, 0.2859, 0.3312
Android (android.graphics.Color)	4290240991 (0xFFB7E1DF)
YUV	212.2140, 5.3175, -25.6207
Hunter-Lab	83.2138, -17.4068, 1.2300

Details

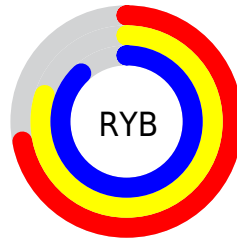
The XYZ color **59.7729, 69.2454, 80.0274** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.7442, 53.3791, 53.2142**, and the grayscale version is **62.7005, 65.9659, 71.8368**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **30.4959, 36.2437, 42.4342** is the 20% darker color. If you saturate the color by 10%, you get **54.6994, 66.6484, 79.0386**, and if you desaturate by 10%, it is **65.7068, 72.2895, 81.0642**.

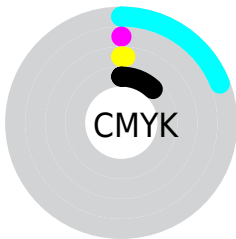
Distribution



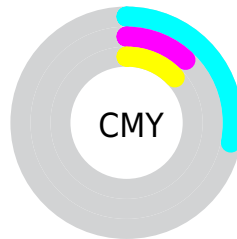
- Red (72%)
- Green (88%)
- Blue (87%)



- Red (72%)
- Yellow (80%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (28%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7729, 69.2454, 80.0274 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 59.7729, 69.2454, 80.0274 by changing the saturation by 10% instead.

■ 59.7729, 69.2454,
80.0274

■ 59.7729, 69.2454,
80.0274

413.6083,
457.8960, 514.7344

■ 43.4844, 50.9116,
59.2146

■ 103.6084,
118.1320, 135.2160

■ 30.4615, 36.1383,
42.3647

131.8860,
149.4536, 170.4289

■ 20.3390, 24.5410,
29.0593

164.8908,
185.8732, 211.2789

■ 12.7514, 15.7354,
18.8797

202.9880,
227.7753, 258.1845

■ 7.3334, 9.3371,
11.4075

246.5430,
275.5443, 311.5643

■ 3.7196, 4.9617,
6.2240

295.9211,

■ 1.5448, 2.2248,

329.5644, 371.8369

2.9108

351.4878,
390.2202, 439.4207

■ 0.3560, 0.7335,
1.0493

■ 0.0000, 0.0000,
0.0000

■ 59.7729, 69.2454,
80.0274

■ 59.7729, 69.2454,
80.0274

■ 54.6994, 66.6484,
79.0386

■ 65.7068, 72.2895,
81.0642

■ 50.4398, 64.4691,
78.0911

■ 72.5331, 75.7917,
82.1461

■ 46.9522, 62.6876,
77.1846

■ 80.2892, 79.7732,
83.2763

■ 44.1887, 61.2793,
76.3167

■ 82.0721, 80.6752,
84.1318

42.0958, 60.2166,
75.4850

82.2210, 80.7347,
84.9157

40.6130, 59.4684,
74.6865

82.3708, 80.7946,
85.7044

39.6687, 58.9975,
73.9180

82.5215, 80.8549,
86.4980

39.1550, 58.7487,
73.1744

82.6731, 80.9156,
87.2965

39.0992, 58.7220,
73.0762

82.8257, 80.9766,
88.0999

Harmonies

Analogous

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



59.8134, 69.2454, 70.5051



59.7729, 69.2454, 80.0274



61.3129, 69.2454, 89.0052

Triad

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



59.7729, 69.2454, 80.0274



70.4101, 69.2454, 89.3834



67.5774, 69.2454, 59.0108

Complementary

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



59.7729, 69.2454, 80.0274



56.7442, 53.3791, 53.2142

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.



70.5337, 69.2454, 63.2508



59.7729, 69.2454, 80.0274



72.2066, 69.2454, 80.5090

Square

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



59.7729, 69.2454, 80.0274



67.4134, 69.2454, 94.7090



72.2526, 69.2454, 70.9477



64.2434, 69.2454, 58.9058

Rectangle

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



59.7729, 69.2454, 80.0274



63.0597, 69.2454, 93.2477



72.2526, 69.2454, 70.9477



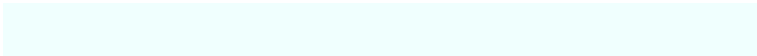
68.6508, 69.2454, 59.9826

Sweetspot

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



59.7749, 69.2483, 80.0290



89.5261, 97.1659, 108.0295



55.5062, 67.5989, 54.9233



19.0393, 20.7344, 23.1028



0.0000, 0.0000, 0.0000



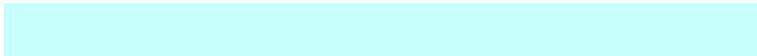
20.3446, 21.4041, 23.3091

Same Dimension

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



59.7749, 69.2483, 80.0290



76.9089, 90.6973, 105.8183



55.2164, 59.6965, 79.8498



14.0869, 15.5605, 17.4926



22.5424, 33.8418, 42.1750



1.5713, 2.3493, 2.9698

Inverse Universe

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



56.7442, 53.3791, 53.2142



72.2509, 66.3050, 64.6039



60.6981, 61.6229, 53.4962



13.7336, 13.7111, 14.3673



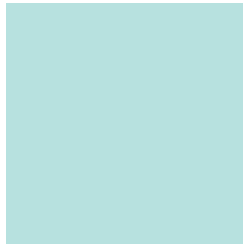
17.9392, 9.2427, 1.0795



1.2529, 0.6444, 0.1247

Previews

White Background



This preview shows how the XYZ color 59.7729, 69.2454, 80.0274 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 59.7729, 69.2454, 80.0274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

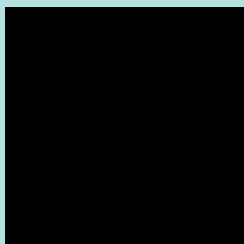
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

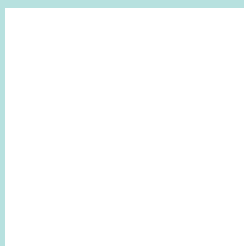
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7729, 69.2454, 80.0274

Background



This preview shows how black text looks on a background with the XYZ color 59.7729, 69.2454, 80.0274.



This preview shows how white text looks on a background with the XYZ color 59.7729, 69.2454,

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

59.7729, 69.2454, 80.0274

Protanopia

66.3400, 68.8263, 75.4339

Deuteranopia

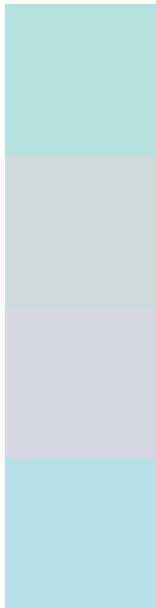
70.3783, 68.9078, 81.5427



Tritanopia

62.0992, 68.9729, 92.4782

Trichromacy



Original Color

59.7729, 69.2454, 80.0274

Protanomaly

63.8498, 69.0429, 76.9792

Deuteranomaly

65.9154, 68.4842, 80.9788

Tritanomaly

61.2465, 69.0302, 87.9380

Monochromacy



Original Color

59.7729, 69.2454, 80.0274

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.2949, 67.0011, 74.6677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7729, 69.2454, 80.0274 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, 225, 223)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 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(183, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 223) }
```

Border

The CSS property to change the border of an element to XYZ 59.7729, 69.2454, 80.0274 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, 225, 223) }
```


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

```
.border{ border-color:rgb(183, 225, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(183, 225,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7729, 69.2454, 80.0274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 223) }
```

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

```
.background{ background-color: rgb(183,  
225, 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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