

Converting Colors

XYZ(59.7886, 69.9656, 82.7007)

Have a look what the booklet for
XYZ(59.7886, 69.9656, 82.7007)
contains.

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Color

**XYZ(59.9246, 70.0679,
83.0391)**

Conversions

Conversions Part 1

Format	Color
Hex	B3E3E3
RGB	179, 227, 227
RGB Percent	70%, 89%, 89%
CMY	0.2980, 0.1098, 0.1098
CMYK	0.21, 0.00, 0.00, 0.11
HSL	180°, 46%, 80%
HSV	180°, 21%, 89%
XYZ	59.9246, 70.0679, 83.0391
YIQ	212.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

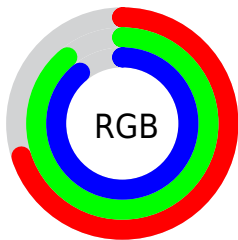
Format	Color
RYB	179, 203, 227
Decimal	11789283
CIELab	87.03, -15.36, -5.09
CIELCh	87, 16.179, 198.335
Yxy	70.0679, 0.2813, 0.3289
Android (android.graphics.Color)	4289979363 (0xFFB3E3E3)
YUV	212.6480, 7.0755, -29.5093
Hunter-Lab	83.7066, -18.7003, -0.2226

Details

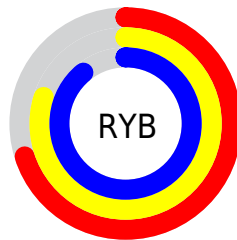
The XYZ color **59.9246, 70.0679, 83.0391** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.9378, 51.8277, 49.7062**, and the grayscale version is **62.9803, 66.2602, 72.1574**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **30.6564, 36.8436, 44.5255** is the 20% darker color. If you saturate the color by 10%, you get **55.1043, 67.5848, 82.8140**, and if you desaturate by 10%, it is **65.6127, 73.0020, 83.3078**.

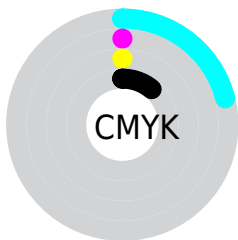
Distribution



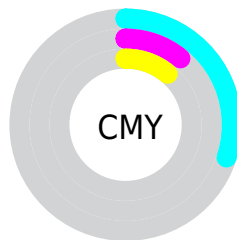
- Red (70%)
- Green (89%)
- Blue (89%)



- Red (70%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9246, 70.0679, 83.0391 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 59.9246, 70.0679, 83.0391 by changing the saturation by 10% instead.

■ 59.9246, 70.0679,
83.0391

■ 59.9246, 70.0679,
83.0391

414.1590,
460.7884, 525.0912

■ 43.6071, 51.5819,
61.6816

■ 103.8272,
119.3056, 139.4799

■ 30.5583, 36.6719,
44.3414

132.1431,
150.8260, 175.4004

■ 20.4129, 24.9536,
30.5998

165.1891,
187.4601, 217.0122

■ 12.8056, 16.0425,
20.0384

203.3306,
229.5922, 264.7340

■ 7.3709, 9.5542,
12.2386

246.9330,
277.6066, 318.9842

■ 3.7435, 5.1044,
6.7819

296.3617,

■ 1.5581, 2.3086,

331.8879, 380.1815

3.2497

351.9819,
392.8204, 448.7443

■ 0.3648, 0.7783,
1.2235

■ 0.0000, 0.0000,
0.0000

■ 59.9246, 70.0679,
83.0391

■ 59.9246, 70.0679,
83.0391

■ 55.1043, 67.5848,
82.8140

■ 65.6127, 73.0020,
83.3078

■ 51.1034, 65.5223,
82.6257

■ 72.2017, 76.3987,
83.6172

■ 47.8782, 63.8596,
82.4738

■ 79.7306, 80.2800,
83.9705

■ 45.3784, 62.5710,
82.3558

■ 82.5764, 81.7471,
84.1047

■ 43.5479, 61.6273,
82.2691

■ 82.5766, 81.7471,
84.1057

■ 42.3224, 60.9956,
82.2108

■ 82.5768, 81.7472,
84.1068

■ 41.6248, 60.6360,
82.1771

■ 82.5770, 81.7473,
84.1078

■ 41.3341, 60.4861,
82.1626

■ 82.5772, 81.7474,
84.1088

■ 82.5774, 81.7475,
84.1098

Harmonies

Analogous

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



59.7205, 70.0679, 72.1546



59.9246, 70.0679, 83.0391



61.8751, 70.0679, 92.9479

Triad

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



59.9246, 70.0679, 83.0391



72.1842, 70.0679, 91.0052



68.0799, 70.0679, 57.6441

Complementary

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



59.9246, 70.0679, 83.0391



55.9378, 51.8277, 49.7062

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.



71.5541, 70.0679, 61.7552



59.9246, 70.0679, 83.0391



73.9830, 70.0679, 80.5847

Square

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



59.9246, 70.0679, 83.0391



68.9134, 70.0679, 97.8388



73.7481, 70.0679, 69.9207



64.3339, 70.0679, 58.1665

Rectangle

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



59.9246, 70.0679, 83.0391



63.9464, 70.0679, 97.3507



73.7481, 70.0679, 69.9207



69.3208, 70.0679, 58.5129

Sweetspot

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



59.9266, 70.0708, 83.0407



89.6433, 97.2127, 108.6462



54.3837, 67.8750, 52.8840



19.0671, 20.7455, 23.2491



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.



59.9266, 70.0708, 83.0407



75.3582, 89.8486, 107.9751



54.0029, 58.2227, 81.0681



14.8075, 16.3364, 18.5169



24.1051, 35.2742, 47.9155



1.7813, 2.6066, 3.5409

Inverse Universe

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



55.9378, 51.8277, 49.7062



69.3573, 62.4035, 57.8264



60.9852, 61.9230, 51.3872



14.3771, 14.3680, 14.9202



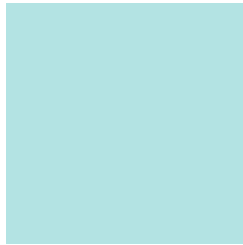
18.4751, 9.5243, 0.8649



1.3653, 0.7038, 0.0640

Previews

White Background



This preview shows how the XYZ color 59.9246, 70.0679, 83.0391 looks on a white background.

Color Contrast Check

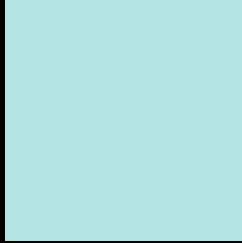
Large Text (above 18pt) WCAG AA × Fail

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 59.9246, 70.0679, 83.0391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

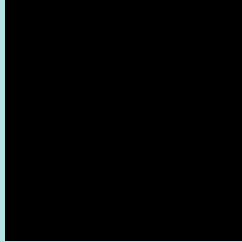
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9246, 70.0679, 83.0391

Background



This preview shows how black text looks on a background with the XYZ color 59.9246, 70.0679, 83.0391.

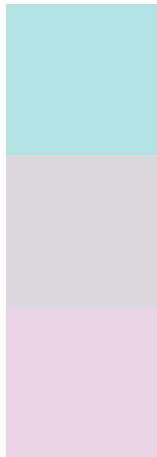


This preview shows how white text looks on a background with the XYZ color 59.9246, 70.0679,

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

59.9246, 70.0679, 83.0391

Protanopia

67.1222, 69.5478, 78.2930

Deuteranopia

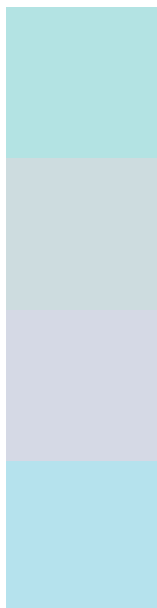
71.1815, 69.6253, 84.5503



Tritanopia

62.3943, 70.2666, 95.0683

Trichromacy



Original Color

59.9246, 70.0679, 83.0391

Protanomaly

64.0893, 69.4932, 79.8477

Deuteranomaly

66.3963, 69.4290, 84.0304

Tritanomaly

61.5385, 70.3309, 90.4526

Monochromacy



Original Color

59.9246, 70.0679, 83.0391

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.8137, 67.6223, 76.1241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9246, 70.0679, 83.0391 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(179, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(179, 227, 227)  
}
```

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(179, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 227, 227) }
```

Border

The CSS property to change the border of an element to XYZ 59.9246, 70.0679, 83.0391 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(179, 227, 227) }
```


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

```
.border{ border-color:rgb(179, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(179, 227,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9246, 70.0679, 83.0391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 227, 227) }
```

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

```
.background{ background-color: rgb(179,  
227, 227) }
```

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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