

Converting Colors

XYZ(59.8789, 69.3212, 82.5480)

Have a look what the booklet for
XYZ(59.8789, 69.3212, 82.5480)
contains.

XYZ(59.8464, 69.2202, 82.8796)	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(59.8464, 69.2202,
82.8796)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E1E3
RGB	181, 225, 227
RGB Percent	71%, 88%, 89%
CMY	0.2902, 0.1176, 0.1098
CMYK	0.20, 0.01, 0.00, 0.11
HSL	183°, 45%, 80%
HSV	183°, 20%, 89%
XYZ	59.8464, 69.2202, 82.8796
YIQ	212.0720, -26.8660, -8.7060

Conversions

Conversions Part 2

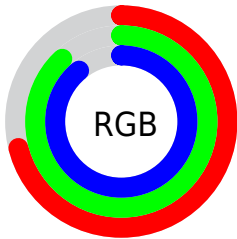
Format	Color
RYB	181, 203, 227
Decimal	11919843
CIELab	86.61, -13.75, -5.69
CIELCh	87, 14.877, 202.493
Yxy	69.2202, 0.2824, 0.3266
Android (android.graphics.Color)	4290109923 (0xFFB5E1E3)
YUV	212.0720, 7.3595, -27.2501
Hunter-Lab	83.1987, -17.1992, -0.8235

Details

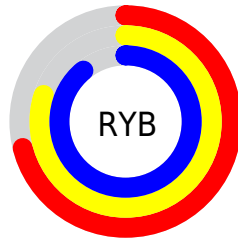
The XYZ color **59.8464, 69.2202, 82.8796** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9532, 53.5343, 51.0489**, and the grayscale version is **62.5942, 65.8540, 71.7150**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **30.5735, 36.2400, 44.4134** is the 20% darker color. If you saturate the color by 10%, you get **54.6862, 66.1674, 82.5635**, and if you desaturate by 10%, it is **65.8794, 72.7288, 83.2400**.

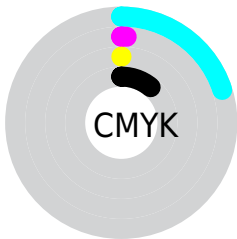
Distribution



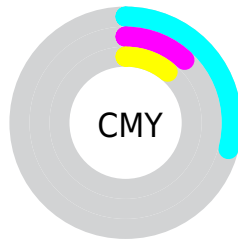
- Red (71%)
- Green (88%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8464, 69.2202, 82.8796 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 59.8464, 69.2202, 82.8796 by changing the saturation by 10% instead.

■ 59.8464, 69.2202,
82.8796

■ 59.8464, 69.2202,
82.8796

413.8752,
457.8072, 524.5457

■ 43.5438, 50.8911,
61.5508

■ 103.7144,
118.0960, 139.2545

■ 30.5084, 36.1219,
44.2364

132.0106,
149.4115, 175.1378

■ 20.3748, 24.5284,
30.5178

165.0354,
185.8246, 216.7095

■ 12.7776, 15.7260,
19.9766

203.1540,
227.7196, 264.3884

■ 7.3515, 9.3305,
12.1941

246.7320,
275.4810, 318.5929

■ 3.7312, 4.9574,
6.7519

296.1346,

■ 1.5512, 2.2223,

329.4931, 379.7416

3.2313

351.7272,
390.1404, 448.2530

■ 0.3603, 0.7321,
1.2139

■ 0.0000, 0.0000,
0.0000

■ 59.8464, 69.2202,
82.8796

■ 59.8464, 69.2202,
82.8796

■ 54.6862, 66.1674,
82.5635

■ 65.8794, 72.7288,
83.2400

■ 50.3508, 63.5403,
82.2849

■ 72.8183, 76.7049,
83.6417

■ 46.7968, 61.3183,
82.0433

■ 80.7017, 81.1702,
84.0881

■ 43.9744, 59.4757,
81.8364

■ 83.1099, 82.8152,
84.2787

■ 41.8280, 57.9839,
81.6616

■ 83.3833, 83.3620,
84.3698

■ 40.2941, 56.8102,
81.5159

■ 83.6582, 83.9119,
84.4615

■ 39.2973, 55.9155,
81.3957

■ 83.9347, 84.4649,
84.5536

■ 38.7159, 55.2472,
81.2974

■ 84.2128, 85.0210,
84.6463

■ 84.4924, 85.5802,
84.7395

Harmonies

Analogous

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



59.4267, 69.2202, 72.9121



59.8464, 69.2202, 82.8796



61.8317, 69.2202, 91.4807

Triad

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



59.8464, 69.2202, 82.8796



71.2001, 69.2202, 87.5485



66.6629, 69.2202, 58.0462

Complementary

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



59.8464, 69.2202, 82.8796



56.9532, 53.5343, 51.0489

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.



69.9173, 69.2202, 61.2697



59.8464, 69.2202, 82.8796



72.5958, 69.2202, 77.8805

Square

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



59.8464, 69.2202, 82.8796



68.3644, 69.2202, 94.3365



72.1183, 69.2202, 68.3265



63.2844, 69.2202, 59.1313

Rectangle

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



59.8464, 69.2202, 82.8796



63.8147, 69.2202, 94.9951



72.1183, 69.2202, 68.3265



67.8092, 69.2202, 58.6514

Sweetspot

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



59.8484, 69.2230, 82.8812



89.4319, 96.7897, 108.5765



55.0252, 68.1627, 54.8035



19.0169, 20.6451, 23.2326



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.



59.8484, 69.2230, 82.8812



75.1650, 88.4993, 107.7282



54.1527, 57.8316, 80.9826



14.7510, 16.2234, 18.4983



22.6020, 32.2661, 47.4199



1.6869, 2.4178, 3.5097

Inverse Universe

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



61.7946, 54.8164, 78.5610



78.1124, 66.8046, 101.1583



61.9794, 63.5867, 52.7243



14.9667, 14.6039, 18.0248



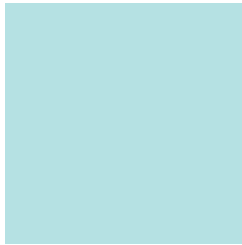
25.8019, 12.4550, 39.4476



1.9151, 0.9238, 2.9595

Previews

White Background



This preview shows how the XYZ color 59.8464, 69.2202, 82.8796 looks on a white background.

Color Contrast Check

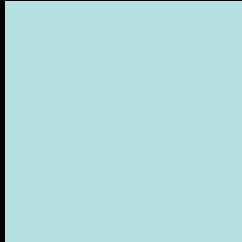
Large Text (above 18pt) WCAG AA × Fail

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 59.8464, 69.2202, 82.8796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

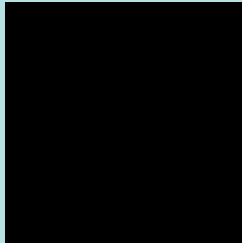
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

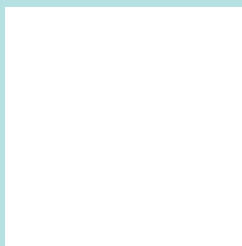
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8464, 69.2202, 82.8796

Background



This preview shows how black text looks on a background with the XYZ color 59.8464, 69.2202, 82.8796.

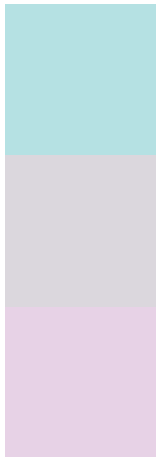


This preview shows how white text looks on a background with the XYZ color 59.8464, 69.2202,

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

59.8464, 69.2202, 82.8796

Protanopia

66.5650, 68.8814, 78.1937

Deuteranopia

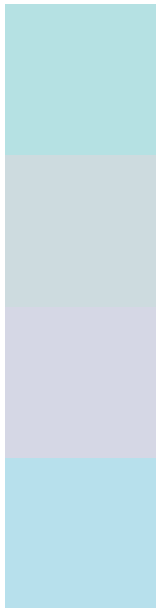
70.2845, 68.7953, 84.4373



Tritanopia

62.0320, 69.3166, 93.3291

Trichromacy



Original Color

59.8464, 69.2202, 82.8796

Protanomaly

63.8276, 68.9699, 79.7605

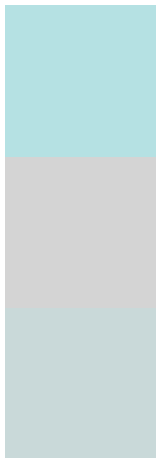
Deuteranomaly

65.8839, 68.4042, 83.8596

Tritanomaly

61.3244, 69.4347, 89.5270

Monochromacy



Original Color

59.8464, 69.2202, 82.8796

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.4246, 67.0530, 75.3507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8464, 69.2202, 82.8796 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(181, 225, 227)` looks like.

```
.text, #text, p{  
    color:rgb(181, 225, 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(181, 225, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 225, 227) }
```

Border

The CSS property to change the border of an element to XYZ 59.8464, 69.2202, 82.8796 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(181, 225, 227) }
```


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

```
.border{ border-color:rgb(181, 225, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 225, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(181, 225,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8464, 69.2202, 82.8796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 225, 227) }
```

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

```
.background{ background-color: rgb(181,  
225, 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](#).

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