

Converting Colors

XYZ(50.7650, 61.6774, 81.6335)

Have a look what the booklet for
XYZ(50.7650, 61.6774, 81.6335)
contains.

XYZ(50.9692, 61.8919, 81.9330)	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(50.9692, 61.8919,
81.9330)**

Conversions

Conversions Part 1

Format	Color
Hex	93DAE3
RGB	147, 218, 227
RGB Percent	58%, 85%, 89%
CMY	0.4235, 0.1451, 0.1098
CMYK	0.35, 0.04, 0.00, 0.11
HSL	187°, 59%, 73%
HSV	187°, 35%, 89%
XYZ	50.9692, 61.8919, 81.9330
YIQ	197.7970, -45.2050, -12.2530

Conversions

Conversions Part 2

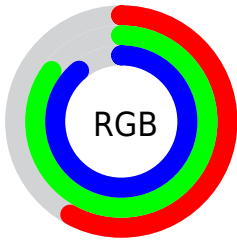
Format	Color
RYB	147, 185, 227
Decimal	9689827
CIELab	82.86, -19.88, -11.47
CIELCh	83, 22.956, 209.981
Yxy	61.8919, 0.2617, 0.3177
Android (android.graphics.Color)	4287879907 (0xFF93DAE3)
YUV	197.7970, 14.3971, -44.5490
Hunter-Lab	78.6714, -22.0294, -6.6781

Details

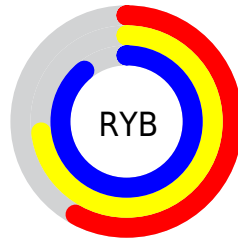
The XYZ color **50.9692, 61.8919, 81.9330** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8345, 42.2153, 33.1799**, and the grayscale version is **53.4899, 56.2755, 61.2840**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **24.9572, 31.4483, 43.7845** is the 20% darker color. If you saturate the color by 10%, you get **46.6368, 58.6846, 81.5433**, and if you desaturate by 10%, it is **56.1186, 65.5385, 82.3665**.

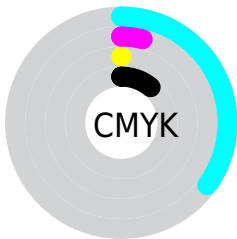
Distribution



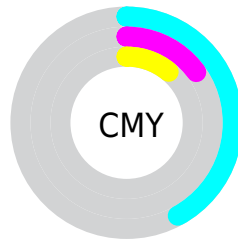
- Red (58%)
- Green (85%)
- Blue (89%)



- Red (58%)
- Yellow (73%)
- Blue (89%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (42%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9692, 61.8919, 81.9330 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 50.9692, 61.8919, 81.9330 by changing the saturation by 10% instead.

50.9692, 61.8919,
81.9330

50.9692, 61.8919,
81.9330

380.8337,
431.5367, 521.3011

36.4050, 44.9454,
60.7748

90.7925, 107.5693,
137.9159

24.9187, 31.4144,
43.6141

116.7824,
137.0689, 173.5777

16.1449, 20.9146,
30.0323

147.3115,
171.5217, 214.9110

9.7183, 13.0616,
19.6108

182.7453,
211.3120, 262.3346

5.2734, 7.4710,
11.9312

223.4490,
256.8243, 316.2668

2.4449, 3.7583,
6.5749

269.7881,

0.8676, 1.5393,

308.4429, 377.1263

3.1233

322.1279,
366.5522, 445.3316

■ 0.0000, 0.3162,
1.1579

■ 0.0000, 0.0000,
0.0000

■ 50.9692, 61.8919,
81.9330

■ 50.9692, 61.8919,
81.9330

■ 46.6368, 58.6846,
81.5433

■ 56.1186, 65.5385,
82.3665

■ 43.0685, 55.8848,
81.1910

■ 62.1232, 69.6397,
82.8417

■ 40.2135, 53.4677,
80.8749

■ 69.0252, 74.2188,
83.3617

■ 38.0126, 51.4028,
80.5923

■ 76.8626, 79.2955,
83.9285

■ 36.3971, 49.6545,
80.3400

■ 83.6168, 83.8291,
84.4476

■ 35.2823, 48.1791,
80.1140

■ 84.3357, 85.2669,
84.6873

■ 34.8617, 47.5388,
80.0126

■ 85.0651, 86.7256,
84.9304

■ 85.8050, 88.2054,
85.1770

■ 86.5554, 89.7062,
85.4272

Harmonies

Analogous

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



49.8217, 61.8919, 67.3807



50.9692, 61.8919, 81.9330



54.1968, 61.8919, 93.8231

Triad

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



50.9692, 61.8919, 81.9330



67.4488, 61.8919, 81.9509



58.8296, 61.8919, 43.6631

Complementary

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



50.9692, 61.8919, 81.9330



48.8345, 42.2153, 33.1799

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.



63.7124, 61.8919, 46.4555



50.9692, 61.8919, 81.9330



68.8556, 61.8919, 67.3988

Square

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



50.9692, 61.8919, 81.9330



63.7066, 61.8919, 93.8344



67.4522, 61.8919, 54.6781



54.2020, 61.8919, 46.4484

Rectangle

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



50.9692, 61.8919, 81.9330



57.1877, 61.8919, 97.9177



67.4522, 61.8919, 54.6781



60.4961, 61.8919, 43.9747

Sweetspot

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



50.9711, 61.8943, 81.9344



84.4746, 93.0663, 108.1191



45.4195, 63.5090, 40.8766



17.8239, 19.7487, 23.1224



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.



50.9711, 61.8943, 81.9344



62.2815, 77.5803, 106.2997



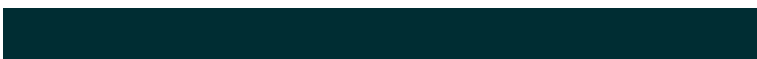
42.0193, 43.9909, 78.9505



14.6618, 16.0449, 18.4686



20.3854, 27.8329, 46.6810



1.5460, 2.1360, 3.4628

Inverse Universe

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



54.7687, 42.2619, 71.6031



67.9850, 48.8767, 90.6086



56.4614, 57.4691, 35.7222



14.9216, 14.5858, 17.7876



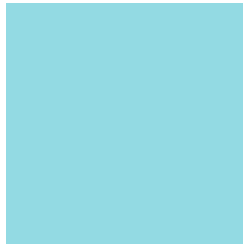
24.6831, 12.0075, 33.5559



1.8440, 0.8953, 2.5850

Previews

White Background



This preview shows how the XYZ color 50.9692, 61.8919, 81.9330 looks on a white background.

Color Contrast Check

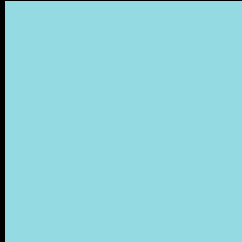
Large Text (above 18pt) WCAG AA × Fail

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 50.9692, 61.8919, 81.9330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

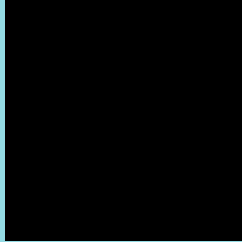
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9692, 61.8919, 81.9330

Background



This preview shows how black text looks on a background with the XYZ color 50.9692, 61.8919, 81.9330.



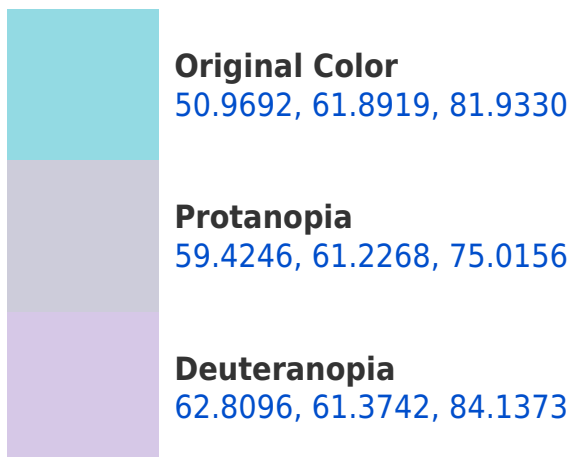
This preview shows how white text looks on a background with the XYZ color 50.9692, 61.8919,

81.9330.

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

52.0586, 61.9558, 87.0568

Trichromacy



Original Color

50.9692, 61.8919, 81.9330

Protanomaly

55.6188, 61.0117, 77.2516

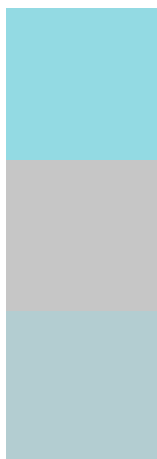
Deuteranomaly

57.8310, 61.2860, 83.6443

Tritanomaly

51.4494, 61.6911, 84.7972

Monochromacy



Original Color

50.9692, 61.8919, 81.9330

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.9304, 57.8498, 68.7507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9692, 61.8919, 81.9330 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(147, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(147, 218, 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(147, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 218, 227) }
```

Border

The CSS property to change the border of an element to XYZ 50.9692, 61.8919, 81.9330 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(147, 218, 227) }
```


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

```
.border{ border-color:rgb(147, 218, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(147, 218,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9692, 61.8919, 81.9330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 218, 227) }
```

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

```
.background{ background-color: rgb(147,  
218, 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