

Converting Colors

XYZ(47.9638, 59.3331, 61.7862)

Have a look what the booklet for
XYZ(47.9638, 59.3331, 61.7862)
contains.

XYZ(47.8349, 59.1923, 61.7274)	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(47.8349, 59.1923,
61.7274)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD6C5
RGB	156, 214, 197
RGB Percent	61%, 84%, 77%
CMY	0.3882, 0.1608, 0.2274
CMYK	0.27, 0.00, 0.08, 0.16
HSL	162°, 41%, 73%
HSV	162°, 27%, 84%
XYZ	47.8349, 59.1923, 61.7274
YIQ	194.7200, -29.1110, -17.5830

Conversions

Conversions Part 2

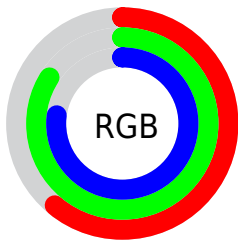
Format	Color
RYB	156, 190, 214
Decimal	10278597
CIELab	81.40, -22.10, 2.40
CIElCh	81, 22.230, 173.805
Yxy	59.1923, 0.2835, 0.3508
Android (android.graphics.Color)	4288468677 (0xFF9CD6C5)
YUV	194.7200, 1.1240, -33.9574
Hunter-Lab	76.9365, -23.6575, 6.2863

Details

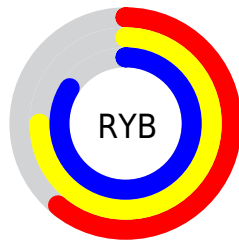
The XYZ color **47.8349, 59.1923, 61.7274** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1649, 41.0917, 44.9832**, and the grayscale version is **51.7124, 54.4055, 59.2476**.

A 20% lighter version of the original color is **80.8008, 92.6728, 107.3949**, and **22.9496, 29.6630, 30.5026** is the 20% darker color. If you saturate the color by 10%, you get **43.3494, 56.9629, 57.8438**, and if you desaturate by 10%, it is **53.0832, 61.8147, 65.8055**.

Distribution



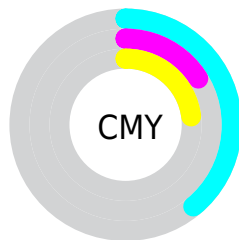
- Red (61%)
- Green (84%)
- Blue (77%)



- Red (61%)
- Yellow (75%)
- Blue (84%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)





- Cyan (39%)
- Magenta (16%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8349, 59.1923, 61.7274 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 47.8349, 59.1923, 61.7274 by changing the saturation by 10% instead.


 47.8349, 59.1923,
61.7274


 47.8349, 59.1923,
61.7274


368.7308,
421.6142, 448.9162

 33.9069, 42.7679,
44.3781


 86.1697, 103.6571,
108.8992

 22.9846, 29.7031,
30.6285


 111.3072,
132.4663, 139.5588

 14.7028, 19.6133,
20.0600


140.9119,
166.1726, 175.4923

 8.6960, 12.1143,
12.2542

175.3492,
205.1604, 217.1181

 4.5990, 6.8216,
6.7924

214.9843,
249.8141, 264.8549

 2.0462, 3.3508,
3.2561

260.1828,

 0.6597, 1.3175,

300.5180, 319.1211

1.2269

311.3098,
357.6566, 380.3354

■ 0.0000, 0.1547,
0.0007

■ 0.0000, 0.0000,
0.0000

■ 47.8349, 59.1923,
61.7274

■ 47.8349, 59.1923,
61.7274

■ 43.3494, 56.9629,
57.8438

■ 53.0832, 61.8147,
65.8055

■ 39.5831, 55.0992,
54.1468


■ 59.1252, 64.8411,
70.0774


■ 36.4955, 53.5820,
50.6340


■ 65.9960, 68.2913,
74.5480


■ 34.0400, 52.3874,
47.3013


■ 73.7273, 72.1815,
79.2204


 32.1638, 51.4881,
44.1441


 79.3424, 74.9772,
83.9572


 30.8051, 50.8524,
41.1576


 80.2313, 75.3328,
88.6379

 29.8823, 50.4382,
38.3359

 81.1521, 75.7011,
93.4869

 29.6556, 50.3385,
37.5471

 82.1052, 76.0823,
98.5058

 83.0909, 76.4766,
103.6964

Harmonies

Analogous

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



49.3518, 59.1923, 50.4859



47.8349, 59.1923, 61.7274



48.4733, 59.1923, 75.3432

Triad

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



47.8349, 59.1923, 61.7274



59.9454, 59.1923, 90.8196



61.7051, 59.1923, 45.9224

Complementary

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



47.8349, 59.1923, 61.7274



47.1649, 41.0917, 44.9832

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.



64.8401, 59.1923, 54.6615



47.8349, 59.1923, 61.7274



63.7856, 59.1923, 80.7781

Square

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



47.8349, 59.1923, 61.7274



55.3015, 59.1923, 93.3926



65.6216, 59.1923, 67.2522



57.2305, 59.1923, 42.2060

Rectangle

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



47.8349, 59.1923, 61.7274



50.0538, 59.1923, 83.8410



65.6216, 59.1923, 67.2522



62.9602, 59.1923, 48.3068

Sweetspot

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



47.8366, 59.1947, 61.7287



86.9910, 95.9550, 103.5751



47.3713, 59.4259, 40.4270



18.3146, 20.3854, 21.9596



0.0000, 0.0000, 0.0000



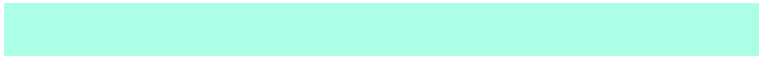
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8366, 59.1947, 61.7287



66.8516, 85.8930, 88.1634



47.0643, 54.3542, 71.6321



12.6298, 14.0429, 15.1311



17.9715, 30.4440, 22.9435



1.1193, 1.8504, 1.5699

Inverse Universe

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



47.1649, 41.0917, 44.9832



65.6836, 54.2928, 58.9548



47.6631, 44.5559, 37.5414



12.5715, 12.4801, 13.6839



17.3394, 8.8721, 3.8256



1.0818, 0.5495, 0.4200

Previews

White Background



This preview shows how the XYZ color 47.8349, 59.1923, 61.7274 looks on a white background.

Color Contrast Check

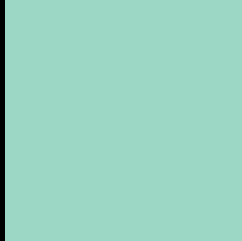
Large Text (above 18pt) WCAG AA × Fail

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 47.8349, 59.1923, 61.7274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

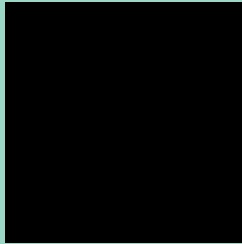
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8349, 59.1923, 61.7274

Background



This preview shows how black text looks on a background with the XYZ color 47.8349, 59.1923, 61.7274.



This preview shows how white text looks on a background with the XYZ color 47.8349, 59.1923, 61.7274.

61.7274.

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

47.8349, 59.1923, 61.7274

Protanopia

56.1933, 58.9009, 57.1225

Deuteranopia

59.8765, 58.6194, 63.4172



Tritanopia

51.6744, 59.2656, 80.6674

Trichromacy



Original Color

47.8349, 59.1923, 61.7274

Protanomaly

52.6832, 58.8117, 59.0272

Deuteranomaly

54.5718, 58.2815, 63.0168

Tritanomaly

50.0572, 58.9684, 73.0337

Monochromacy



Original Color

47.8349, 59.1923, 61.7274

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.1404, 56.0503, 60.4007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8349, 59.1923, 61.7274 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(156, 214, 197)` looks like.

```
.text, #text, p{  
    color:rgb(156, 214, 197)  
}
```

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(156, 214, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 214, 197) }
```

Border

The CSS property to change the border of an element to XYZ 47.8349, 59.1923, 61.7274 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(156, 214, 197) }
```


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

```
.border{ border-color:rgb(156, 214, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 214, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 214, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 214, 197);  
box-shadow:4px 4px 4px 4px rgb(156, 214,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8349, 59.1923, 61.7274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 214, 197) }
```

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

```
.background{ background-color: rgb(156,  
214, 197) }
```

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