

Converting Colors

XYZ(49.2447, 60.1087, 78.3870)

Have a look what the booklet for
XYZ(49.2447, 60.1087, 78.3870)
contains.

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Color

**XYZ(48.9869, 59.8041,
78.0687)**

Conversions

Conversions Part 1

Format	Color
Hex	90D7DE
RGB	144, 215, 222
RGB Percent	56%, 84%, 87%
CMY	0.4353, 0.1568, 0.1294
CMYK	0.35, 0.03, 0.00, 0.13
HSL	185°, 54%, 72%
HSV	185°, 35%, 87%
XYZ	48.9869, 59.8041, 78.0687
YIQ	194.5690, -44.5630, -12.8750

Conversions

Conversions Part 2

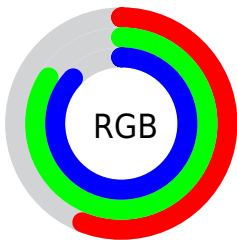
Format	Color
RYB	144, 181, 222
Decimal	9492446
CIELab	81.73, -20.37, -10.50
CIElCh	82, 22.923, 207.273
Yxy	59.8041, 0.2622, 0.3200
Android (android.graphics.Color)	4287682526 (0xFF90D7DE)
YUV	194.5690, 13.5235, -44.3490
Hunter-Lab	77.3331, -22.2616, -5.7208

Details

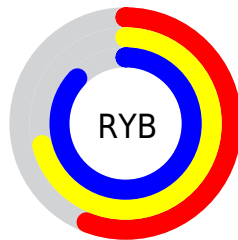
The XYZ color **48.9869, 59.8041, 78.0687** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2258, 39.6772, 31.6092**, and the grayscale version is **51.5581, 54.2432, 59.0708**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **23.6657, 30.0555, 41.1132** is the 20% darker color. If you saturate the color by 10%, you get **44.9806, 56.9919, 77.7381**, and if you desaturate by 10%, it is **53.7654, 63.0265, 78.4398**.

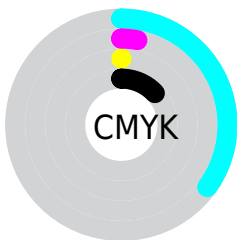
Distribution



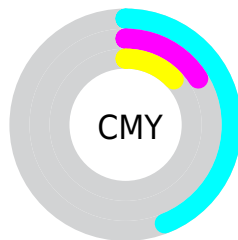
- Red (56%)
- Green (84%)
- Blue (87%)



- Red (56%)
- Yellow (71%)
- Blue (87%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)





- Cyan (44%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9869, 59.8041, 78.0687 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 48.9869, 59.8041, 78.0687 by changing the saturation by 10% instead.


 48.9869, 59.8041,
78.0687


 48.9869, 59.8041,
78.0687


373.2086,
423.8753, 507.9342

 34.8236, 43.2608,
57.6136


 87.8728, 104.5454,
132.4337

 23.6929, 30.0898,
41.0855


 113.3262,
133.5122, 167.1807

 15.2295, 19.9067,
28.0657


143.2735,
167.3889, 207.5288

 9.0679, 12.3273,
18.1357

178.0803,
206.5600, 253.8965

 4.8430, 6.9670,
10.8770

218.1118,
251.4097, 306.7024

 2.1892, 3.4414,
5.8711

263.7335,

 0.7371, 1.3663,

302.3226, 366.3649

2.6993

315.3106,
359.6830, 433.3027

■ 0.0000, 0.1917,
0.9431

■ 0.0000, 0.0000,
0.0000

■ 48.9869, 59.8041,
78.0687

■ 48.9869, 59.8041,
78.0687

■ 44.9806, 56.9919,
77.7381

■ 53.7654, 63.0265,
78.4398

■ 41.6961, 54.5595,
77.4417

■ 59.3519, 66.6731,
78.8493

■ 39.0857, 52.4836,
77.1786

■ 65.7866, 70.7663,
79.3002

■ 37.0935, 50.7356,
76.9462

■ 73.1053, 75.3244,
79.7943

■ 35.6545, 49.2817,
76.7414

■ 81.3400, 80.3641,
80.3330

■ 34.6890, 48.0810,
76.5605

■ 81.8815, 81.4470,
80.5135

■ 34.3254, 47.5547,
76.4781

■ 82.4293, 82.5426,
80.6961

■ 82.9834, 83.6508,
80.8808

■ 83.5439, 84.7717,
81.0676

Harmonies

Analogous

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



48.0681, 59.8041, 63.8603



48.9869, 59.8041, 78.0687



51.9715, 59.8041, 90.1287

Triad

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



48.9869, 59.8041, 78.0687



65.0109, 59.8041, 80.5663



57.2846, 59.8041, 42.0155

Complementary

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



48.9869, 59.8041, 78.0687



46.2258, 39.6772, 31.6092

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.



62.0076, 59.8041, 45.2213



48.9869, 59.8041, 78.0687



66.6235, 59.8041, 66.3890

Square

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



48.9869, 59.8041, 78.0687



61.2009, 59.8041, 91.7081



65.4949, 59.8041, 53.6825



52.6952, 59.8041, 44.2370

Rectangle

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



48.9869, 59.8041, 78.0687



54.8222, 59.8041, 94.6300



65.4949, 59.8041, 53.6825



58.9108, 59.8041, 42.4823

Sweetspot

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



48.9887, 59.8065, 78.0701



84.6752, 93.4676, 108.1859



43.1696, 60.3912, 38.4486



17.8721, 19.8450, 23.1385



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.



48.9887, 59.8065, 78.0701



63.0156, 79.0485, 106.5444



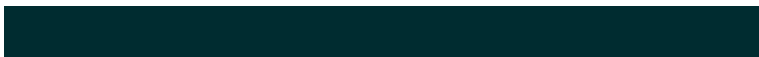
40.3114, 42.4519, 75.1776



14.0059, 15.3510, 17.6125



20.4309, 28.3313, 45.4400



1.4474, 2.0262, 3.1601

Inverse Universe

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



52.3647, 40.3840, 69.3275



68.3555, 49.0250, 92.5599



53.4648, 54.1553, 34.0222



14.2392, 13.9133, 17.0299



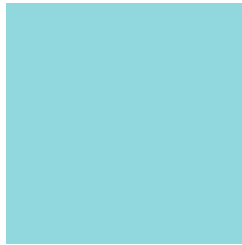
24.2528, 11.7681, 34.3264



1.6968, 0.8220, 2.4623

Previews

White Background



This preview shows how the XYZ color 48.9869, 59.8041, 78.0687 looks on a white background.

Color Contrast Check

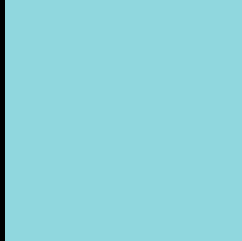
Large Text (above 18pt) WCAG AA × Fail

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 48.9869, 59.8041, 78.0687 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 48.9869, 59.8041, 78.0687

Background



This preview shows how black text looks on a background with the XYZ color 48.9869, 59.8041, 78.0687.

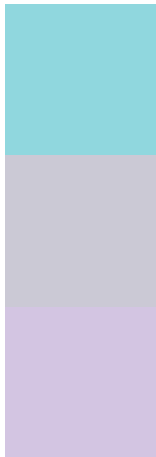


This preview shows how white text looks on a background with the XYZ color 48.9869, 59.8041,

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

48.9869, 59.8041, 78.0687

Protanopia

57.5255, 59.2739, 71.3599

Deuteranopia

60.5577, 59.2724, 80.2005



Tritanopia

50.3244, 59.9736, 84.5250

Trichromacy



Original Color

48.9869, 59.8041, 78.0687

Protanomaly

53.7574, 59.0456, 73.5294

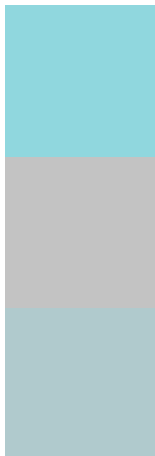
Deuteranomaly

55.6770, 59.1868, 79.7239

Tritanomaly

49.7272, 59.7143, 82.3039

Monochromacy



Original Color

48.9869, 59.8041, 78.0687

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.0445, 55.8789, 65.9057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9869, 59.8041, 78.0687 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(144, 215, 222)` looks like.

```
.text, #text, p{  
    color:rgb(144, 215, 222)  
}
```

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(144, 215, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 215, 222) }
```

Border

The CSS property to change the border of an element to XYZ 48.9869, 59.8041, 78.0687 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(144, 215, 222) }
```


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

```
.border{ border-color:rgb(144, 215, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 215, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 215, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 215, 222);  
box-shadow:4px 4px 4px 4px rgb(144, 215,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9869, 59.8041, 78.0687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 215, 222) }
```

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

```
.background{ background-color: rgb(144,  
215, 222) }
```

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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