

Converting Colors

XYZ(49.2069, 62.4761, 78.3048)

Have a look what the booklet for
XYZ(49.2069, 62.4761, 78.3048)
contains.

XYZ(49.2978, 62.6674, 78.6050)	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(49.2978, 62.6674,
78.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	87DEDE
RGB	135, 222, 222
RGB Percent	53%, 87%, 87%
CMY	0.4706, 0.1294, 0.1294
CMYK	0.39, 0.00, 0.00, 0.13
HSL	180°, 57%, 70%
HSV	180°, 39%, 87%
XYZ	49.2978, 62.6674, 78.6050
YIQ	195.9870, -51.8520, -18.4440

Conversions

Conversions Part 2

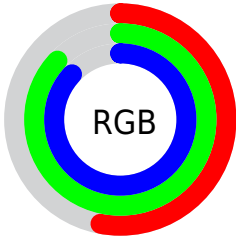
Format	Color
RYB	135, 179, 222
Decimal	8904414
CIELab	83.27, -26.15, -8.27
CIELCh	83, 27.422, 197.543
Yxy	62.6674, 0.2587, 0.3288
Android (android.graphics.Color)	4287094494 (0xFF87DEDE)
YUV	195.9870, 12.8244, -53.4856
Hunter-Lab	79.1627, -27.3757, -3.4583

Details

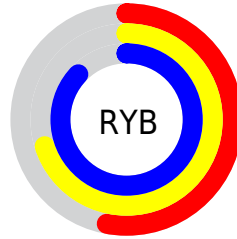
The XYZ color **49.2978, 62.6674, 78.6050** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.1636, 34.6087, 27.3292**, and the grayscale version is **52.4109, 55.1404, 60.0479**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **23.9357, 32.0472, 41.4834** is the 20% darker color. If you saturate the color by 10%, you get **46.0921, 61.0163, 78.4559**, and if you desaturate by 10%, it is **53.2520, 64.7073, 78.7918**.

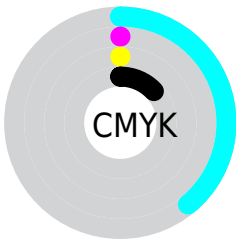
Distribution



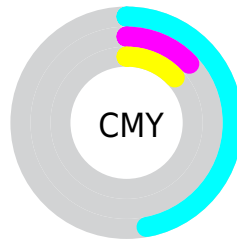
- Red (53%)
- Green (87%)
- Blue (87%)



- Red (53%)
- Yellow (70%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2978, 62.6674, 78.6050 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 49.2978, 62.6674, 78.6050 by changing the saturation by 10% instead.


 49.2978, 62.6674,
78.6050


 49.2978, 62.6674,
78.6050


374.4111,
434.3614, 509.8013


 35.0713, 45.5722,
58.0517


 88.3317, 108.6895,
133.1963

 23.8846, 31.9084,
41.4352


 113.8697,
138.3852, 168.0713

 15.3723, 21.2915,
28.3371

 143.9090,
173.0499, 208.5573

 9.1691, 13.3373,
18.3387

178.8148,
213.0679, 255.0729

 4.9096, 7.6612,
11.0214

218.9526,
258.8237, 308.0365

 2.2285, 3.8789,
5.9669

264.6877,

 0.7577, 1.6061,

310.7016, 367.8668

2.7565

316.3854,
369.0860, 434.9822

■ 0.0000, 0.3617,
0.9717

■ 0.0000, 0.0000,
0.0000

■ 49.2978, 62.6674,
78.6050

■ 49.2978, 62.6674,
78.6050

■ 46.0921, 61.0163,
78.4559

■ 53.2520, 64.7073,
78.7918

■ 43.5825, 59.7226,
78.3381

■ 57.9916, 67.1507,
79.0141

■ 41.7192, 58.7620,
78.2504

■ 63.5580, 70.0203,
79.2750

■ 40.4429, 58.1041,
78.1903

■ 69.9879, 73.3350,
79.5763

■ 39.6837, 57.7127,
78.1543

■ 77.3159, 77.1127,
79.9197

■ 39.3294, 57.5301,
78.1373

■ 80.5478, 78.7788,
80.0714

■ 39.3068, 57.5184,
78.1362

■ 80.5479, 78.7789,
80.0718

■ 80.5480, 78.7789,
80.0722

■ 80.5481, 78.7789,
80.0727

Harmonies

Analogous

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



49.0663, 62.6674, 61.4011



49.2978, 62.6674, 78.6050



52.1626, 62.6674, 95.4046

Triad

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



49.2978, 62.6674, 78.6050



68.4183, 62.6674, 92.8546



62.0681, 62.6674, 40.9578

Complementary

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



49.2978, 62.6674, 78.6050



43.1636, 34.6087, 27.3292

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.



67.6333, 62.6674, 46.7844



49.2978, 62.6674, 78.6050



71.4602, 62.6674, 75.5563

Square

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



49.2978, 62.6674, 78.6050



63.0824, 62.6674, 104.5270



71.1637, 62.6674, 58.8181



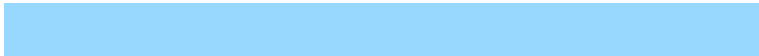
56.1779, 62.6674, 41.4961

Rectangle

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



49.2978, 62.6674, 78.6050



55.2951, 62.6674, 103.2540



71.1637, 62.6674, 58.8181



64.0460, 62.6674, 42.1904

Sweetspot

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



49.2997, 62.6699, 78.6065



84.6745, 94.6512, 108.4137



40.7230, 59.2663, 32.2164



17.9045, 20.1462, 23.1947



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.



49.2997, 62.6699, 78.6065



63.8253, 83.9031, 107.4360



39.4896, 43.0493, 75.3380



14.1166, 15.5724, 17.6493



23.3466, 34.1635, 46.4096



1.6183, 2.3680, 3.2169

Inverse Universe

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



43.1636, 34.6087, 27.3292



54.3089, 40.3834, 27.9107



50.2317, 48.7452, 29.6844



13.7073, 13.7006, 14.2289



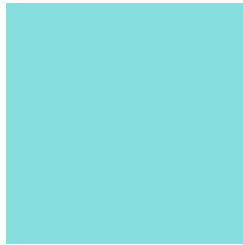
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 49.2978, 62.6674, 78.6050 looks on a white background.

Color Contrast Check

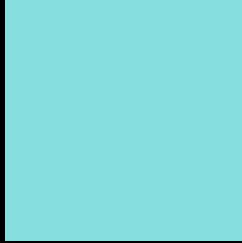
Large Text (above 18pt) WCAG AA × Fail

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 49.2978, 62.6674, 78.6050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

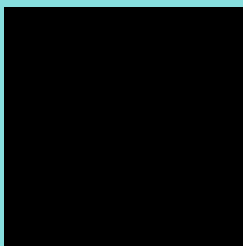
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

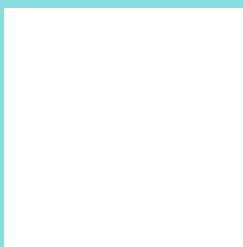
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2978, 62.6674, 78.6050

Background



This preview shows how black text looks on a background with the XYZ color 49.2978, 62.6674, 78.6050.

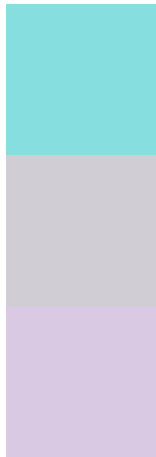


This preview shows how white text looks on a background with the XYZ color 49.2978, 62.6674,

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

49.2978, 62.6674, 78.6050

Protanopia

59.7274, 61.8260, 71.0730

Deuteranopia

63.3670, 62.0711, 81.3142



Tritanopia

51.5267, 62.7898, 89.5247

Trichromacy



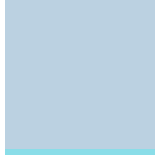
Original Color

49.2978, 62.6674, 78.6050



Protanomaly

54.7450, 61.3702, 73.9260



Deuteranomaly

56.8846, 61.6020, 80.1264



Tritanomaly

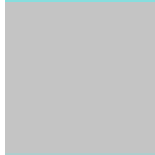
50.9032, 62.9424, 85.8101

Monochromacy



Original Color

49.2978, 62.6674, 78.6050



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.3063, 57.0691, 66.1216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2978, 62.6674, 78.6050 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(135, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 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(135, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.2978, 62.6674, 78.6050 is called "border". The border property can be set on classes, ids or directly on the HTML element.

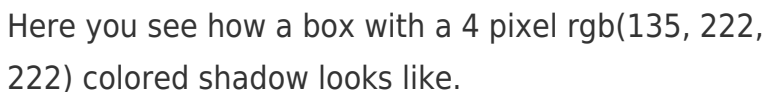
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 222, 222) }
```


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

```
.border{ border-color:rgb(135, 222, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 222, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 222, 222); box-shadow:4px 4px 4px 4px rgb(135, 222, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2978, 62.6674, 78.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 222) }
```

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

```
.background{ background-color: rgb(135,  
222, 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](#).

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