

Converting Colors

XYZ(47.7676, 57.3574, 61.0691)

Have a look what the booklet for
XYZ(47.7676, 57.3574, 61.0691)
contains.

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Color

**XYZ(47.6646, 57.2678,
60.7662)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D1C4
RGB	162, 209, 196
RGB Percent	64%, 82%, 77%
CMY	0.3647, 0.1804, 0.2314
CMYK	0.22, 0.00, 0.06, 0.18
HSL	163°, 34%, 73%
HSV	163°, 22%, 82%
XYZ	47.6646, 57.2678, 60.7662
YIQ	193.4650, -23.8390, -14.0070

Conversions

Conversions Part 2

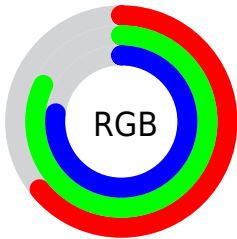
Format	Color
RYB	162, 189, 209
Decimal	10670532
CIELab	80.33, -17.97, 1.42
CIELCh	80, 18.029, 175.474
Yxy	57.2678, 0.2877, 0.3456
Android (android.graphics.Color)	4288860612 (0xFFA2D1C4)
YUV	193.4650, 1.2498, -27.5948
Hunter-Lab	75.6755, -20.0030, 5.3639

Details

The XYZ color **47.6646, 57.2678, 60.7662** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9547, 42.4927, 46.2870**, and the grayscale version is **50.9665, 53.6207, 58.3929**.

A 20% lighter version of the original color is **82.4031, 93.5173, 106.6360**, and **22.7448, 28.3154, 29.8578** is the 20% darker color. If you saturate the color by 10%, you get **43.1216, 55.0019, 57.1849**, and if you desaturate by 10%, it is **52.9418, 59.9123, 64.5167**.

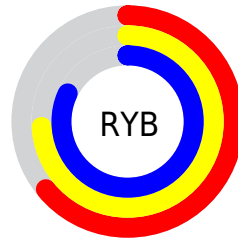
Distribution



Red (64%)

Green (82%)

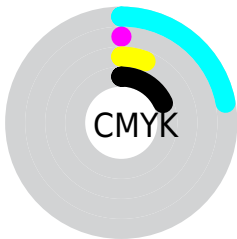
Blue (77%)



Red (64%)

Yellow (74%)

Blue (82%)

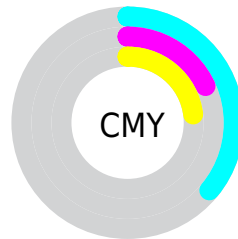


Cyan (22%)

Magenta (0%)

Yellow (6%)

Black (18%)



Cyan (36%)


Magenta (18%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6646, 57.2678, 60.7662 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 47.6646, 57.2678, 60.7662 by changing the saturation by 10% instead.


 47.6646, 57.2678,
60.7662


 47.6646, 57.2678,
60.7662


368.0659,
414.4520, 445.2990

 33.7715, 41.2203,
43.6072


 85.9175, 100.8558,
107.4946

 22.8802, 28.4913,
30.0269


 111.0081,
129.1652, 137.9010

 14.6253, 18.6963,
19.6068


140.5618,
162.3305, 173.5603

 8.6414, 11.4510,
11.9283

174.9441,
200.7363, 214.8910

 4.5633, 6.3711,
6.5729

214.5203,
244.7670, 262.3117

 2.0255, 3.0720,
3.1221

259.6558,

 0.6482, 1.1694,

294.8069, 316.2409

1.1573

310.7158,
351.2405, 377.0972

■ 0.0000, 0.0365,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6646, 57.2678,
60.7662

■ 47.6646, 57.2678,
60.7662

■ 43.1216, 55.0019,
57.1849

■ 52.9418, 59.9123,
64.5167

■ 39.2729, 53.0895,
53.7659

■ 58.9811, 62.9452,
68.4355

■ 36.0820, 51.5134,
50.5070

■ 65.8148, 66.3846,
72.5268

■ 33.5069, 50.2519,
47.4050

■ 73.4719, 70.2455,
76.7933

■ 31.5011, 49.2810,
44.4559

■ 77.6199, 72.2943,
81.0336

■ 30.0106, 48.5731,
41.6558

■ 78.4219, 72.6151,
85.2568

■ 28.9710, 48.0948,
38.9999

■ 79.2509, 72.9467,
89.6220

■ 28.4025, 47.8433,
37.0950

■ 80.1070, 73.2892,
94.1306

■ 80.9907, 73.6426,
98.7838

Harmonies

Analogous

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



48.7963, 57.2678, 51.5393



47.6646, 57.2678, 60.7662



48.2779, 57.2678, 71.5028

Triad

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



47.6646, 57.2678, 60.7662



57.5382, 57.2678, 82.5422



58.5497, 57.2678, 47.0767

Complementary

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



47.6646, 57.2678, 60.7662



46.9547, 42.4927, 46.2870

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.



61.0866, 57.2678, 54.0225



47.6646, 57.2678, 60.7662



60.4843, 57.2678, 74.5867

Square

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



47.6646, 57.2678, 60.7662



53.8737, 57.2678, 84.8675



61.8100, 57.2678, 63.9710



54.9928, 57.2678, 44.2235

Rectangle

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



47.6646, 57.2678, 60.7662



49.6092, 57.2678, 77.9812



61.8100, 57.2678, 63.9710



59.5563, 57.2678, 48.9694

Sweetspot

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



47.6662, 57.2702, 60.7675



88.0002, 96.4564, 104.4733



47.0743, 57.3626, 42.7745



18.7118, 20.5834, 22.2812



0.0000, 0.0000, 0.0000



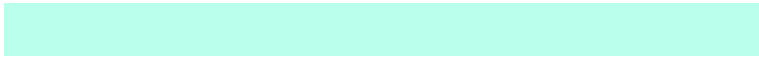
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6662, 57.2702, 60.7675



71.1797, 88.0313, 92.5616



46.7920, 53.0495, 68.0976



12.0130, 13.3490, 14.4250



17.5550, 29.5149, 23.1003



1.0142, 1.6633, 1.4636

Inverse Universe

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



46.9547, 42.4927, 46.2870



69.8737, 60.8583, 65.9462



47.6054, 45.7405, 40.5032



11.9412, 11.8612, 12.9662



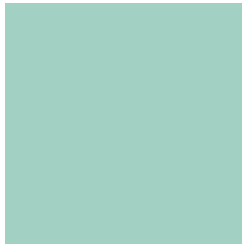
16.7166, 8.5595, 3.4139



0.9686, 0.4921, 0.3693

Previews

White Background



This preview shows how the XYZ color 47.6646, 57.2678, 60.7662 looks on a white background.

Color Contrast Check

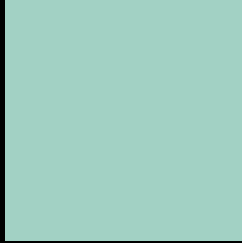
Large Text (above 18pt) WCAG AA × Fail

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 47.6646, 57.2678, 60.7662 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 47.6646, 57.2678, 60.7662

Background



This preview shows how black text looks on a background with the XYZ color 47.6646, 57.2678, 60.7662.

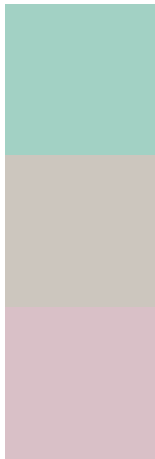


This preview shows how white text looks on a background with the XYZ color 47.6646, 57.2678, 60.7662.

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

47.6646, 57.2678, 60.7662

Protanopia

54.3902, 56.9432, 56.8397

Deuteranopia

57.7737, 56.5745, 61.9078



Tritanopia

50.9525, 57.1521, 77.4532

Trichromacy



Original Color

47.6646, 57.2678, 60.7662

Protanomaly

51.6212, 56.8656, 58.1246

Deuteranomaly

53.4131, 56.3357, 61.4848

Tritanomaly

49.5986, 56.9460, 71.3284

Monochromacy



Original Color

47.6646, 57.2678, 60.7662

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.4524, 54.6870, 58.9882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6646, 57.2678, 60.7662 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(162, 209, 196)` looks like.

```
.text, #text, p{  
    color:rgb(162, 209, 196)  
}
```

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(162, 209, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 209, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.6646, 57.2678, 60.7662 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(162, 209, 196) }
```


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

```
.border{ border-color:rgb(162, 209, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 209, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 209, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 209, 196); box-shadow:4px 4px 4px 4px rgb(162, 209, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6646, 57.2678, 60.7662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 209, 196) }
```

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

```
.background{ background-color: rgb(162,  
209, 196) }
```

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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