

Converting Colors

XYZ(41.1828, 49.3905, 56.9820)

Have a look what the booklet for
XYZ(41.1828, 49.3905, 56.9820)
contains.

XYZ(41.2870, 49.4887, 57.2454)	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(41.2870, 49.4887,
57.2454)**

Conversions

Conversions Part 1

Format	Color
Hex	93C4C0
RGB	147, 196, 192
RGB Percent	58%, 77%, 75%
CMY	0.4235, 0.2314, 0.2471
CMYK	0.25, 0.00, 0.02, 0.23
HSL	175°, 29%, 67%
HSV	175°, 25%, 77%
XYZ	41.2870, 49.4887, 57.2454
YIQ	180.8930, -27.9200, -11.6320

Conversions

Conversions Part 2

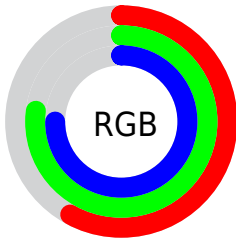
Format	Color
RYB	147, 173, 196
Decimal	9684160
CIELab	75.75, -16.82, -3.22
CIElCh	76, 17.128, 190.845
Yxy	49.4887, 0.2789, 0.3343
Android (android.graphics.Color)	4287874240 (0xFF93C4C0)
YUV	180.8930, 5.4758, -29.7242
Hunter-Lab	70.3482, -18.3486, 0.9969

Details

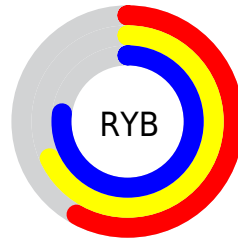
The XYZ color **41.2870, 49.4887, 57.2454** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7864, 34.8390, 33.9605**, and the grayscale version is **43.8465, 46.1299, 50.2355**.

A 20% lighter version of the original color is **76.4257, 89.5844, 102.0704**, and **19.0525, 23.6430, 27.9855** is the 20% darker color. If you saturate the color by 10%, you get **37.8913, 47.7598, 56.1665**, and if you desaturate by 10%, it is **45.2863, 51.5311, 58.3648**.

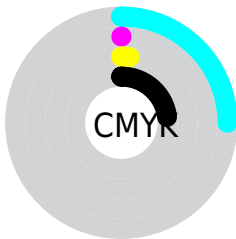
Distribution



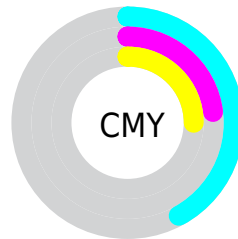
- Red (58%)
- Green (77%)
- Blue (75%)



- Red (58%)
- Yellow (68%)
- Blue (77%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)





- Cyan (42%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2870, 49.4887, 57.2454 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 41.2870, 49.4887, 57.2454 by changing the saturation by 10% instead.


 41.2870, 49.4887,
57.2454


 41.2870, 49.4887,
57.2454


342.5608,
384.6631, 431.8877

 28.7321, 35.0073,
40.7916


 76.3913, 89.4168,
102.3271

 19.0215, 23.6685,
27.8378


 99.6715, 115.6324,
131.7920

 11.7899, 15.0879,
17.9655


127.2573,
146.5281, 166.4311

 6.6720, 8.8811,
10.7560

159.5144,
182.4884, 206.6629

 3.3023, 4.6637,
5.7909

196.8079,
223.8976, 252.9059

 1.3156, 2.0513,
2.6516

239.5032,

 0.1948, 0.6370,

271.1402, 305.5787

0.9189

287.9657,
324.6006, 365.0998

■ 0.0000, 0.0000,
0.0000

■ 41.2870, 49.4887,
57.2454

■ 41.2870, 49.4887,
57.2454

■ 37.8913, 47.7598,
56.1665

■ 45.2863, 51.5311,
58.3648

■ 35.0646, 46.3228,
55.1231

■ 49.9132, 53.8955,
59.5226

■ 32.7753, 45.1625,
54.1150

■ 55.1955, 56.5976,
60.7212

■ 30.9870, 44.2604,
53.1402

■ 61.1581, 59.6501,
61.9618

■ 29.6588, 43.5951,
52.1970

■ 67.8246, 63.0653,
63.2455

■ 28.7433, 43.1425,
51.2830

■ 71.5950, 64.9873,
64.4040

■ 28.1829, 42.8726,
50.3955

■ 71.7852, 65.0634,
65.4051

■ 27.9784, 42.7767,
49.9590

■ 71.9772, 65.1402,
66.4167

■ 72.1713, 65.2178,
67.4386

Harmonies

Analogous

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



41.4975, 49.4887, 48.3433



41.2870, 49.4887, 57.2454



42.5642, 49.4887, 66.1613

Triad

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



41.2870, 49.4887, 57.2454



51.1487, 49.4887, 68.2392



49.0715, 49.4887, 38.9847

Complementary

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



41.2870, 49.4887, 57.2454



38.7864, 34.8390, 33.9605

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.



51.8138, 49.4887, 43.2294



41.2870, 49.4887, 57.2454



53.0499, 49.4887, 59.8343

Square

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



41.2870, 49.4887, 57.2454



48.1968, 49.4887, 72.9674



53.2987, 49.4887, 50.6583



45.8970, 49.4887, 38.4580

Rectangle

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



41.2870, 49.4887, 57.2454



44.1226, 49.4887, 70.6605



53.2987, 49.4887, 50.6583



50.0781, 49.4887, 39.9995

Sweetspot

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



41.2884, 49.4907, 57.2465



87.6719, 96.2273, 107.1604



37.7859, 48.1758, 34.9120



18.4871, 20.4544, 22.8679



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.



41.2884, 49.4907, 57.2465



71.2952, 87.8683, 102.6220



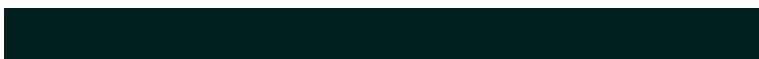
37.4417, 41.0777, 58.1823



10.3319, 11.4138, 12.7511



17.9918, 27.4908, 32.1794



0.7881, 1.1921, 1.4467

Inverse Universe

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



38.7864, 34.8390, 33.9605



65.9905, 56.7923, 53.2439



41.9283, 41.6344, 33.4311



10.1059, 10.0909, 10.6480



14.7009, 7.5701, 1.0713



0.6468, 0.3317, 0.1077

Previews

White Background



This preview shows how the XYZ color 41.2870, 49.4887, 57.2454 looks on a white background.

Color Contrast Check

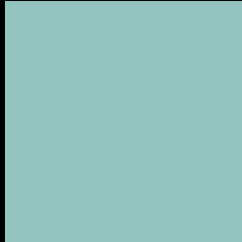
Large Text (above 18pt) WCAG AA × Fail

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 41.2870, 49.4887, 57.2454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

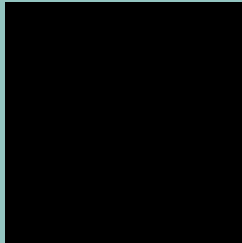
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2870, 49.4887, 57.2454

Background



This preview shows how black text looks on a background with the XYZ color 41.2870, 49.4887, 57.2454.

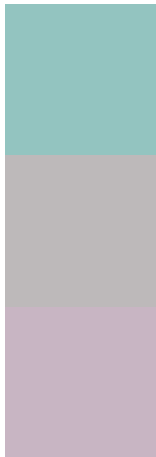


This preview shows how white text looks on a background with the XYZ color 41.2870, 49.4887,

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

41.2870, 49.4887, 57.2454

Protanopia

47.1982, 49.0619, 53.4367

Deuteranopia

50.1936, 49.2672, 58.4938



Tritanopia

43.3411, 49.3227, 67.5575

Trichromacy



Original Color

41.2870, 49.4887, 57.2454

Protanomaly

44.7303, 49.0247, 54.6821

Deuteranomaly

46.3526, 48.8366, 58.0223

Tritanomaly

42.6490, 49.3794, 63.7833

Monochromacy



Original Color

41.2870, 49.4887, 57.2454

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.6780, 47.0556, 52.7322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2870, 49.4887, 57.2454 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, 196, 192)` looks like.

```
.text, #text, p{  
    color:rgb(147, 196, 192)  
}
```

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, 196, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 196, 192) }
```

Border

The CSS property to change the border of an element to XYZ 41.2870, 49.4887, 57.2454 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, 196, 192) }
```


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

```
.border{ border-color:rgb(147, 196, 192) }
```

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

Here you see how a box with a 4 pixel rgb(147, 196, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 196, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 196, 192);  
box-shadow:4px 4px 4px 4px rgb(147, 196,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2870, 49.4887, 57.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 196, 192) }
```

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

```
.background{ background-color: rgb(147,  
196, 192) }
```

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