

Converting Colors

XYZ(41.6786, 49.4508, 60.7750)

Have a look what the booklet for
XYZ(41.6786, 49.4508, 60.7750)
contains.

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Color

**XYZ(41.7870, 49.6681,
60.8106)**

Conversions

Conversions Part 1

Format	Color
Hex	92C4C6
RGB	146, 196, 198
RGB Percent	57%, 77%, 78%
CMY	0.4274, 0.2314, 0.2235
CMYK	0.26, 0.01, 0.00, 0.22
HSL	182°, 31%, 67%
HSV	182°, 26%, 78%
XYZ	41.7870, 49.6681, 60.8106
YIQ	181.2780, -30.4420, -9.9780

Conversions

Conversions Part 2

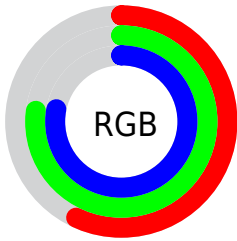
Format	Color
RYB	146, 171, 198
Decimal	9618630
CIELab	75.87, -15.78, -6.32
CIELCh	76, 16.994, 201.816
Yxy	49.6681, 0.2744, 0.3262
Android (android.graphics.Color)	4287808710 (0xFF92C4C6)
YUV	181.2780, 8.2439, -30.9388
Hunter-Lab	70.4756, -17.4945, -1.8261

Details

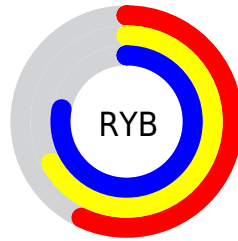
The XYZ color **41.7870, 49.6681, 60.8106** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0674, 35.2610, 31.9420**, and the grayscale version is **44.0411, 46.3347, 50.4585**.

A 20% lighter version of the original color is **77.2627, 89.8881, 107.8857**, and **19.3231, 23.7393, 29.9493** is the 20% darker color. If you saturate the color by 10%, you get **38.3969, 47.6676, 60.6040**, and if you desaturate by 10%, it is **45.7905, 51.9886, 61.0483**.

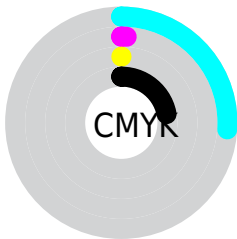
Distribution



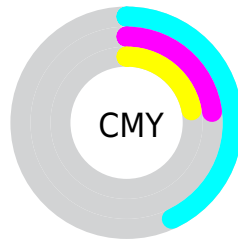
- Red (57%)
- Green (77%)
- Blue (78%)



- Red (57%)
- Yellow (67%)
- Blue (78%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (43%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7870, 49.6681, 60.8106 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 41.7870, 49.6681, 60.8106 by changing the saturation by 10% instead.

■ 41.7870, 49.6681,
60.8106

■ 41.7870, 49.6681,
60.8106

344.6059,
385.3666, 445.4665

■ 29.1249, 35.1498,
43.6428

■ 77.1443, 89.6829,
107.5595

■ 19.3201, 23.7783,
30.0546

■ 100.5703,
115.9482, 137.9777

■ 12.0072, 15.1692,
19.6277

128.3150,
146.8979, 173.6497

■ 6.8208, 8.9382,
11.9433

160.7437,
182.9164, 214.9941

■ 3.3956, 4.7009,
6.5830

198.2218,
224.3881, 262.4294

■ 1.3663, 2.0729,
3.1282

241.1146,

■ 0.2320, 0.6493,

271.6975, 316.3743

1.1605

289.7875,
325.2288, 377.2471

■ 0.0000, 0.0000,
0.0000

■ 41.7870, 49.6681,
60.8106

■ 41.7870, 49.6681,
60.8106

■ 38.3969, 47.6676,
60.6040

■ 45.7905, 51.9886,
61.0483

■ 35.5843, 45.9650,
60.4236

■ 50.4321, 54.6381,
61.3151

■ 33.3166, 44.5444,
60.2689

■ 55.7407, 57.6326,
61.6133

■ 31.5558, 43.3865,
60.1382

■ 61.7418, 60.9856,
61.9442

■ 30.2594, 42.4693,
60.0295

■ 68.4599, 64.7094,
62.3089

■ 29.3775, 41.7671,
59.9404

■ 72.2192, 66.9092,
62.5353

■ 28.8469, 41.2472,
59.8680

■ 72.3964, 67.2637,
62.5944

■ 28.6925, 41.0758,
59.8431

■ 72.5745, 67.6199,
62.6538

■ 72.7535, 67.9780,
62.7135

Harmonies

Analogous

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



41.4437, 49.6681, 51.6398



41.7870, 49.6681, 60.8106



43.5494, 49.6681, 68.9493

Triad

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



41.7870, 49.6681, 60.8106



52.1487, 49.6681, 65.5708



48.0786, 49.6681, 38.6150

Complementary

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



41.7870, 49.6681, 60.8106



39.0674, 35.2610, 31.9420

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.



51.0661, 49.6681, 41.5188



41.7870, 49.6681, 60.8106



53.4835, 49.6681, 56.5962

Square

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



41.7870, 49.6681, 60.8106



49.5031, 49.6681, 71.9042



53.0787, 49.6681, 47.8655



44.9850, 49.6681, 39.4756

Rectangle

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



41.7870, 49.6681, 60.8106



45.3365, 49.6681, 72.3614



53.0787, 49.6681, 47.8655



49.1304, 49.6681, 39.1705

Sweetspot

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



41.7885, 49.6701, 60.8117



87.6895, 95.8352, 108.4841



37.3732, 48.6297, 35.3240



18.4915, 20.3547, 23.2042



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.



41.7885, 49.6701, 60.8117



70.1404, 85.6863, 107.4501



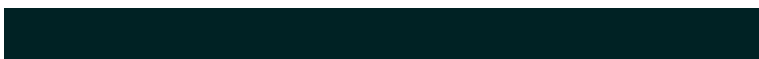
36.4727, 39.0387, 59.0398



10.9105, 11.9950, 13.6577



18.6741, 26.7421, 38.9219



0.8953, 1.2885, 1.8467

Inverse Universe

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



43.5325, 36.5501, 56.9874



73.8098, 58.3205, 99.3505



43.5625, 44.2512, 33.4403



11.0648, 10.8093, 13.3247



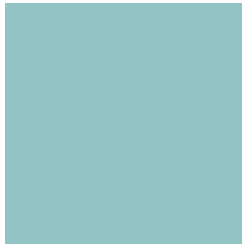
21.2252, 10.2396, 32.7252



1.0106, 0.4871, 1.5791

Previews

White Background



This preview shows how the XYZ color 41.7870, 49.6681, 60.8106 looks on a white background.

Color Contrast Check

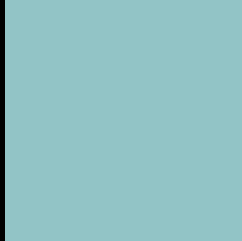
Large Text (above 18pt) WCAG AA × Fail

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 41.7870, 49.6681, 60.8106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

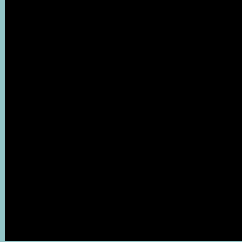
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7870, 49.6681, 60.8106

Background



This preview shows how black text looks on a background with the XYZ color 41.7870, 49.6681, 60.8106.



This preview shows how white text looks on a background with the XYZ color 41.7870, 49.6681,

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

41.7870, 49.6681, 60.8106

Protanopia

47.6024, 49.1951, 56.8559

Deuteranopia

50.3552, 49.2706, 62.1145



Tritanopia

43.3191, 49.6263, 68.2684

Trichromacy



Original Color

41.7870, 49.6681, 60.8106

Protanomaly

45.1688, 49.1745, 58.1499

Deuteranomaly

46.5746, 48.8716, 61.6220

Tritanomaly

42.8684, 49.7823, 65.7421

Monochromacy



Original Color

41.7870, 49.6681, 60.8106

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.6770, 47.0305, 53.8422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7870, 49.6681, 60.8106 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(146, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(146, 196, 198)  
}
```

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(146, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 196, 198) }
```

Border

The CSS property to change the border of an element to XYZ 41.7870, 49.6681, 60.8106 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(146, 196, 198) }
```


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

```
.border{ border-color:rgb(146, 196, 198) }
```

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

Here you see how a box with a 4 pixel rgb(146, 196, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 196, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 196, 198);  
box-shadow:4px 4px 4px 4px rgb(146, 196,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7870, 49.6681, 60.8106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 196, 198) }
```

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

```
.background{ background-color: rgb(146,  
196, 198) }
```

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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