

Converting Colors

XYZ(41.9325, 50.4776, 61.1613)

Have a look what the booklet for
XYZ(41.9325, 50.4776, 61.1613)
contains.

XYZ(41.8887, 50.3947, 60.9455)	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(41.8887, 50.3947,
60.9455)**

Conversions

Conversions Part 1

Format	Color
Hex	90C6C6
RGB	144, 198, 198
RGB Percent	56%, 78%, 78%
CMY	0.4353, 0.2235, 0.2235
CMYK	0.27, 0.00, 0.00, 0.22
HSL	180°, 32%, 67%
HSV	180°, 27%, 78%
XYZ	41.8887, 50.3947, 60.9455
YIQ	181.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

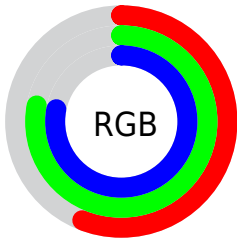
Format	Color
RYB	144, 171, 198
Decimal	9488070
CIELab	76.31, -17.39, -5.67
CIELCh	76, 18.291, 198.054
Yxy	50.3947, 0.2734, 0.3289
Android (android.graphics.Color)	4287678150 (0xFF90C6C6)
YUV	181.8540, 7.9600, -33.1980
Hunter-Lab	70.9892, -18.9034, -1.2091

Details

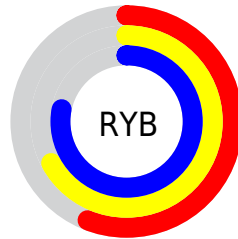
The XYZ color **41.8887, 50.3947, 60.9455** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.2977, 33.9672, 30.9253**, and the grayscale version is **44.3558, 46.6657, 50.8190**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **19.3217, 24.1843, 30.0352** is the 20% darker color. If you saturate the color by 10%, you get **38.7295, 48.7673, 60.7982**, and if you desaturate by 10%, it is **45.6574, 52.3388, 61.1235**.

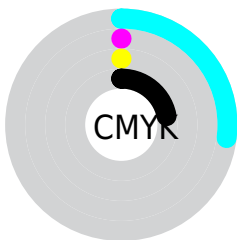
Distribution



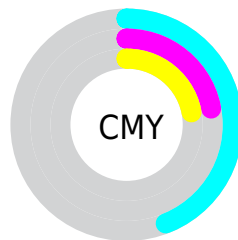
- Red (56%)
- Green (78%)
- Blue (78%)



- Red (56%)
- Yellow (67%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (44%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8887, 50.3947, 60.9455 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 41.8887, 50.3947, 60.9455 by changing the saturation by 10% instead.

■ 41.8887, 50.3947,
60.9455

■ 41.8887, 50.3947,
60.9455

345.0208,
388.2075, 445.9752

■ 29.2049, 35.7271,
43.7509

■ 77.2974, 90.7594,
107.7568

■ 19.3809, 24.2235,
30.1390

■ 100.7529,
117.2253, 138.2106

■ 12.0515, 15.4995,
19.6912

128.5298,
148.3928, 173.9211

■ 6.8512, 9.1707,
11.9889

160.9933,
184.6462, 215.3071

■ 3.4147, 4.8527,
6.6137

198.5088,
226.3700, 262.7869

■ 1.3767, 2.1611,
3.1469

241.4416,

■ 0.2395, 0.6987,

273.9486, 316.7792

1.1701

290.1572,
327.7662, 377.7024

■ 0.0000, 0.0000,
0.0000

■ 41.8887, 50.3947,
60.9455

■ 41.8887, 50.3947,
60.9455

■ 38.7295, 48.7673,
60.7982

■ 45.6574, 52.3388,
61.1235

■ 36.1436, 47.4343,
60.6766

■ 50.0606, 54.6087,
61.3301

■ 34.0981, 46.3798,
60.5803

■ 55.1271, 57.2206,
61.5678

■ 32.5546, 45.5841,
60.5076

■ 60.8829, 60.1878,
61.8377

■ 31.4699, 45.0249,
60.4563

■ 67.3523, 63.5229,
62.1410

■ 30.7934, 44.6762,
60.4241

■ 71.6288, 65.7275,
62.3417

■ 30.4550, 44.5018,
60.4077

■ 71.6289, 65.7275,
62.3422

■ 30.3874, 44.4669,
60.4044

■ 71.6290, 65.7276,
62.3428

■ 71.6291, 65.7276,
62.3433

Harmonies

Analogous

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



41.7223, 50.3947, 51.0478



41.8887, 50.3947, 60.9455



43.6175, 50.3947, 70.1791

Triad

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



41.8887, 50.3947, 60.9455



52.9817, 50.3947, 68.5130



49.2790, 50.3947, 38.3658

Complementary

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



41.8887, 50.3947, 60.9455



38.2977, 33.9672, 30.9253

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.



52.4512, 50.3947, 41.9689



41.8887, 50.3947, 60.9455



54.6563, 50.3947, 58.8811

Square

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



41.8887, 50.3947, 60.9455



49.9751, 50.3947, 74.8949



54.4576, 50.3947, 49.2147



45.8805, 50.3947, 38.7783

Rectangle

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



41.8887, 50.3947, 60.9455



45.4721, 50.3947, 74.3555



54.4576, 50.3947, 49.2147



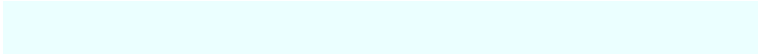
50.4101, 50.3947, 39.1280

Sweetspot

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



41.8902, 50.3967, 60.9467



87.9389, 96.3341, 108.5664



36.8890, 48.4145, 33.7871



18.5549, 20.4815, 23.2251



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.



41.8902, 50.3967, 60.9467



70.5713, 87.3808, 107.7512



36.4296, 39.4751, 59.1279



10.9467, 12.0676, 13.6697



19.7609, 28.9167, 39.2808



0.9357, 1.3692, 1.8600

Inverse Universe

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



38.2977, 33.9672, 30.9253



63.1113, 53.2639, 45.4097



42.7180, 42.8081, 32.3977



10.6339, 10.6370, 11.0555



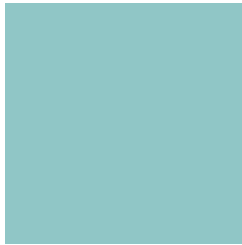
15.1453, 7.8077, 0.7090



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 41.8887, 50.3947, 60.9455 looks on a white background.

Color Contrast Check

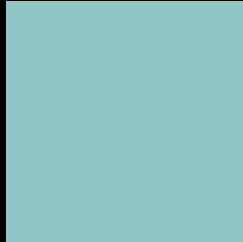
Large Text (above 18pt) WCAG AA × Fail

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 41.8887, 50.3947, 60.9455 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 41.8887, 50.3947, 60.9455

Background



This preview shows how black text looks on a background with the XYZ color 41.8887, 50.3947, 60.9455.

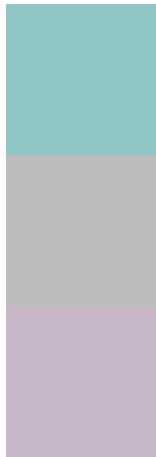


This preview shows how white text looks on a background with the XYZ color 41.8887, 50.3947,

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

41.8887, 50.3947, 60.9455

Protanopia

48.4095, 50.2494, 56.4379

Deuteranopia

51.0900, 49.9523, 62.2074



Tritanopia

43.6562, 50.4364, 69.7216

Trichromacy



Original Color

41.8887, 50.3947, 60.9455

Protanomaly

45.6020, 50.0409, 58.2943

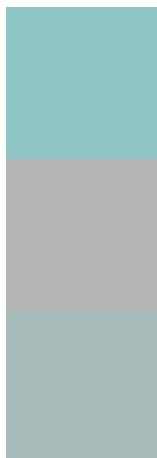
Deuteranomaly

47.2309, 49.8399, 61.7743

Tritanomaly

43.0828, 50.5485, 66.5176

Monochromacy



Original Color

41.8887, 50.3947, 60.9455

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.2088, 47.9221, 54.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8887, 50.3947, 60.9455 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, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(144, 198, 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(144, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 41.8887, 50.3947, 60.9455 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, 198, 198) }
```


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

```
.border{ border-color:rgb(144, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(144, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8887, 50.3947, 60.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 198, 198) }
```

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

```
.background{ background-color: rgb(144,  
198, 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](#).

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