

Converting Colors

XYZ(33.9829, 41.4853, 50.0376)

Have a look what the booklet for
XYZ(33.9829, 41.4853, 50.0376)
contains.

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Color

**XYZ(33.9705, 41.3813,
49.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	80B6B5
RGB	128, 182, 181
RGB Percent	50%, 71%, 71%
CMY	0.4980, 0.2863, 0.2902
CMYK	0.30, 0.00, 0.01, 0.29
HSL	179°, 27%, 61%
HSV	179°, 30%, 71%
XYZ	33.9705, 41.3813, 49.9130
YIQ	165.7400, -31.8630, -11.7590

Conversions

Conversions Part 2

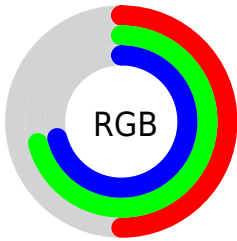
Format	Color
RYB	128, 155, 182
Decimal	8435381
CIELab	70.44, -17.76, -5.17
CIElCh	70, 18.500, 196.235
Yxy	41.3813, 0.2712, 0.3304
Android (android.graphics.Color)	4286625461 (0xFF80B6B5)
YUV	165.7400, 7.5232, -33.0980
Hunter-Lab	64.3283, -18.3122, -0.9739

Details

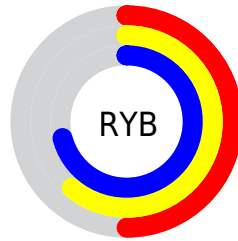
The XYZ color **33.9705, 41.3813, 49.9130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.9744, 26.9695, 24.3435**, and the grayscale version is **36.0968, 37.9767, 41.3566**.

A 20% lighter version of the original color is **65.1520, 77.2086, 91.5896**, and **14.7270, 18.7955, 23.2738** is the 20% darker color. If you saturate the color by 10%, you get **31.4404, 40.0820, 49.6147**, and if you desaturate by 10%, it is **36.9941, 42.9371, 50.2366**.

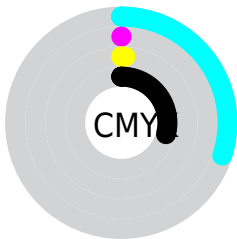
Distribution



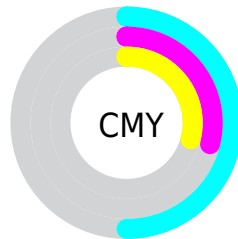
- Red (50%)
- Green (71%)
- Blue (71%)



- Red (50%)
- Yellow (61%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (50%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9705, 41.3813, 49.9130 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 33.9705, 41.3813, 49.9130 by changing the saturation by 10% instead.

■ 33.9705, 41.3813,
49.9130

■ 33.9705, 41.3813,
49.9130

311.5887,
351.9117, 403.0509

■ 23.0337, 28.6171,
34.9736

■ 65.2324, 77.2624,
91.4409

■ 14.7392, 18.7914,
23.3591

■ 86.2882, 101.1481,
118.8665

■ 8.7217, 11.5196,
14.6511

■ 111.4477,
129.5098, 151.2913

■ 4.6158, 6.4175,
8.4310

141.0764,
162.7319, 189.1337

■ 2.0560, 3.1006,
4.2803

175.5394,
201.1987, 232.8123

■ 0.6652, 1.1845,
1.7803

215.2023,

■ 0.0000, 0.0490,

245.2947, 282.7457

0.4149

260.4302,
295.4042, 339.3524

■ 0.0000, 0.0000,
0.0000

■ 33.9705, 41.3813,
49.9130

■ 33.9705, 41.3813,
49.9130

■ 31.4404, 40.0820,
49.6147

■ 36.9941, 42.9371,
50.2366

■ 29.3740, 39.0208,
49.3377

■ 40.5319, 44.7569,
50.5838

■ 27.7438, 38.1843,
49.0816

■ 44.6079, 46.8541,
50.9566

■ 26.5178, 37.5563,
48.8448

■ 49.2433, 49.2397,
51.3560

■ 25.6599, 37.1180,
48.6256

■ 54.4583, 51.9240,
51.7830

■ 25.1274, 36.8474,
48.4222

■ 60.2722, 54.9171,
52.2385

■ 24.8361, 36.7012,
48.2304

■ 66.5541, 58.1515,
52.7163

■ 24.8275, 36.6969,
48.2241

■ 66.5894, 58.1656,
52.9022

■ 66.6248, 58.1798,
53.0886

Harmonies

Analogous

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



33.9112, 41.3813, 41.1817



33.9705, 41.3813, 49.9130



35.4168, 41.3813, 58.2935

Triad

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



33.9705, 41.3813, 49.9130



43.7163, 41.3813, 57.6882



40.7422, 41.3813, 30.6460

Complementary

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



33.9705, 41.3813, 49.9130



30.9744, 26.9695, 24.3435

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.



43.5249, 41.3813, 33.9935



33.9705, 41.3813, 49.9130



45.3010, 41.3813, 49.1686

Square

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



33.9705, 41.3813, 49.9130



40.9925, 41.3813, 63.1633



45.2292, 41.3813, 40.5270



37.7163, 41.3813, 30.7911

Rectangle

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



33.9705, 41.3813, 49.9130



37.0177, 41.3813, 62.2240



45.2292, 41.3813, 40.5270



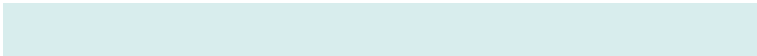
41.7402, 41.3813, 31.3795

Sweetspot

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



33.9717, 41.3830, 49.9139



73.8395, 81.3248, 91.7378



29.8007, 39.7461, 26.5239



16.0881, 17.8486, 20.2412



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.9717, 41.3830, 49.9139



58.3119, 73.3400, 90.1089



29.3699, 32.0142, 48.8893



9.2593, 10.2077, 11.5228



17.5350, 25.9150, 34.0691



0.6205, 0.9145, 1.2131

Inverse Universe

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



30.9744, 26.9695, 24.3435



51.9467, 42.7260, 35.8024



34.6131, 34.3530, 25.2293



9.0112, 9.0148, 9.4063



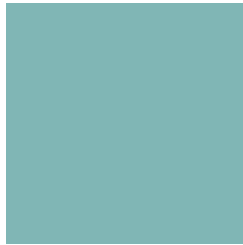
13.6392, 7.0294, 0.7209



0.4831, 0.2487, 0.0375

Previews

White Background



This preview shows how the XYZ color 33.9705, 41.3813, 49.9130 looks on a white background.

Color Contrast Check

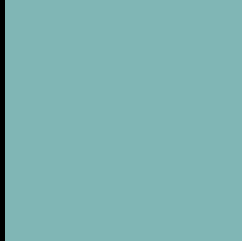
Large Text (above 18pt) WCAG AA × Fail

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 33.9705, 41.3813, 49.9130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

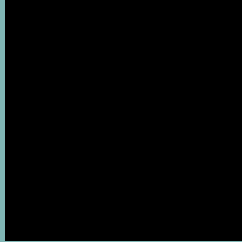
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9705, 41.3813, 49.9130

Background



This preview shows how black text looks on a background with the XYZ color 33.9705, 41.3813, 49.9130.



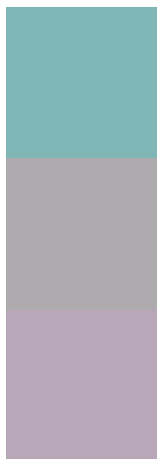
This preview shows how white text looks on a background with the XYZ color 33.9705, 41.3813,

49.9130.

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

33.9705, 41.3813, 49.9130

Protanopia

39.6585, 41.1805, 45.9028

Deuteranopia

41.9989, 41.1654, 51.0795



Tritanopia

35.4189, 41.3629, 57.1560

Trichromacy



Original Color

33.9705, 41.3813, 49.9130

Protanomaly

37.1704, 41.0024, 47.5501

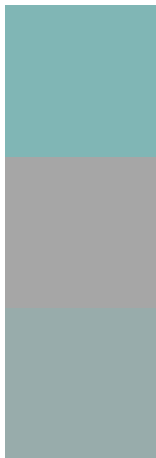
Deuteranomaly

38.4040, 40.7105, 50.6335

Tritanomaly

34.9151, 41.4677, 54.3080

Monochromacy



Original Color

33.9705, 41.3813, 49.9130

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0521, 39.1207, 44.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9705, 41.3813, 49.9130 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(128, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(128, 182, 181)  
}
```

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(128, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 182, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.9705, 41.3813, 49.9130 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(128, 182, 181) }
```


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

```
.border{ border-color:rgb(128, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(128, 182,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9705, 41.3813, 49.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 182, 181) }
```

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

```
.background{ background-color: rgb(128,  
182, 181) }
```

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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