

Converting Colors

XYZ(33.1098, 42.3499, 48.3667)

Have a look what the booklet for
XYZ(33.1098, 42.3499, 48.3667)
contains.

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Color

**XYZ(33.0660, 42.1837,
48.5190)**

Conversions

Conversions Part 1

Format	Color
Hex	76BAB2
RGB	118, 186, 178
RGB Percent	46%, 73%, 70%
CMY	0.5372, 0.2706, 0.3020
CMYK	0.37, 0.00, 0.04, 0.27
HSL	173°, 33%, 60%
HSV	173°, 37%, 73%
XYZ	33.0660, 42.1837, 48.5190
YIQ	164.7560, -37.9600, -16.9040

Conversions

Conversions Part 2

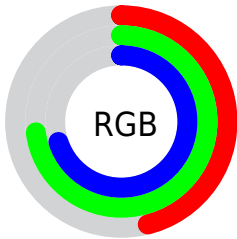
Format	Color
RYB	118, 154, 186
Decimal	7781042
CIELab	71.00, -23.33, -2.77
CIElCh	71, 23.496, 186.761
Yxy	42.1837, 0.2672, 0.3408
Android (android.graphics.Color)	4285971122 (0xFF76BAB2)
YUV	164.7560, 6.5293, -41.0050
Hunter-Lab	64.9490, -22.7851, 1.1727

Details

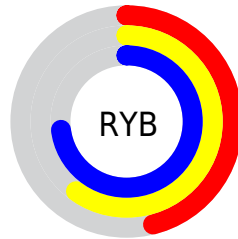
The XYZ color **33.0660, 42.1837, 48.5190** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.4955, 24.9035, 22.9398**, and the grayscale version is **35.6310, 37.4866, 40.8229**.

A 20% lighter version of the original color is **63.8370, 78.3290, 89.5963**, and **14.2692, 19.3795, 22.3906** is the 20% darker color. If you saturate the color by 10%, you get **30.5672, 40.9218, 47.2648**, and if you desaturate by 10%, it is **36.0688, 43.7072, 49.8170**.

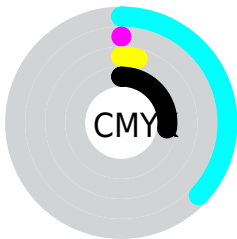
Distribution



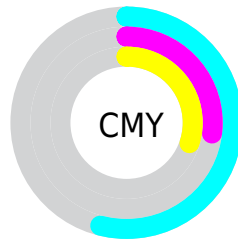
- Red (46%)
- Green (73%)
- Blue (70%)



- Red (46%)
- Yellow (60%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)



- Cyan (54%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0660, 42.1837, 48.5190 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 33.0660, 42.1837, 48.5190 by changing the saturation by 10% instead.

■ 33.0660, 42.1837,
48.5190

■ 33.0660, 42.1837,
48.5190

307.6068,
355.2439, 397.4135

■ 22.3365, 29.2452,
33.8752

■ 63.8325, 78.4776,
89.3502

■ 14.2223, 19.2664,
22.5211

■ 84.6003, 102.6017,
116.3747

■ 8.3582, 11.8629,
14.0384

■ 109.4448,
131.2231, 148.3631

■ 4.3787, 6.6504,
8.0083

138.7315,
164.7263, 185.7340

■ 1.9185, 3.2444,
4.0124

172.8257,
203.4955, 228.9060

■ 0.5876, 1.2606,
1.6322

212.0927,

■ 0.0000, 0.1104,

247.9153, 278.2975

0.3136

256.8979,
298.3699, 334.3272

■ 0.0000, 0.0000,
0.0000

■ 33.0660, 42.1837,
48.5190

■ 33.0660, 42.1837,
48.5190

■ 30.5672, 40.9218,
47.2648

■ 36.0688, 43.7072,
49.8170

■ 28.5394, 39.9012,
46.0499

■ 39.5990, 45.5010,
51.1571

■ 26.9511, 39.1068,
44.8737

■ 43.6829, 47.5799,
52.5416

■ 25.7659, 38.5197,
43.7344

■ 48.3439, 49.9560,
53.9717

■ 24.9409, 38.1181,
42.6300

■ 53.6042, 52.6405,
55.4484

■ 24.4193, 37.8724,
41.5577

■ 59.4848, 55.6444,
56.9729

■ 24.2709, 37.8037,
41.1942

■ 66.0055, 58.9779,
58.5462

■ 68.7079, 60.3426,
59.9597

■ 68.9581, 60.4426,
61.2773

Harmonies

Analogous

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



33.5601, 42.1837, 37.9296



33.0660, 42.1837, 48.5190



34.3543, 42.1837, 60.0977

Triad

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



33.0660, 42.1837, 48.5190



44.7762, 42.1837, 65.4843



43.1423, 42.1837, 28.8152

Complementary

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



33.0660, 42.1837, 48.5190



30.4955, 24.9035, 22.9398

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.



46.4406, 42.1837, 34.1862



33.0660, 42.1837, 48.5190



47.4260, 42.1837, 54.9849

Square

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



33.0660, 42.1837, 48.5190



40.9881, 42.1837, 70.8728



48.0541, 42.1837, 43.4365



39.2136, 42.1837, 27.6576

Rectangle

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



33.0660, 42.1837, 48.5190



36.1034, 42.1837, 66.4527



48.0541, 42.1837, 43.4365



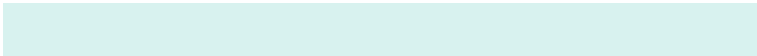
44.3691, 42.1837, 30.1396

Sweetspot

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



33.0672, 42.1854, 48.5200



75.6251, 84.4304, 94.0607



29.5925, 40.9447, 23.4838



16.4331, 18.4806, 20.6386



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.0672, 42.1854, 48.5200



56.1666, 74.5557, 86.0777



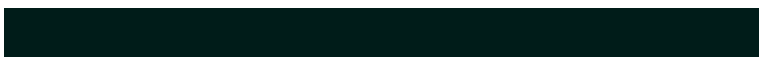
29.0919, 32.9112, 51.2754



9.2199, 10.1919, 11.3156



16.3461, 25.4394, 27.8081



0.5892, 0.9020, 1.0486

Inverse Universe

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



30.4955, 24.9035, 22.9398



50.8216, 38.5788, 32.8692



33.3336, 31.3734, 21.4392



9.0465, 9.0290, 9.5920



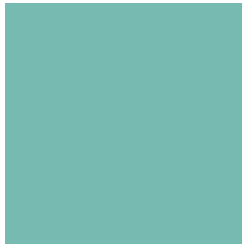
13.7351, 7.0678, 1.2257



0.4983, 0.2548, 0.1177

Previews

White Background



This preview shows how the XYZ color 33.0660, 42.1837, 48.5190 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 33.0660, 42.1837, 48.5190 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

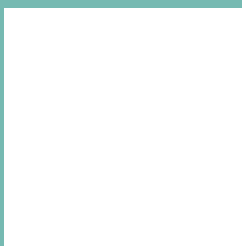
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0660, 42.1837, 48.5190

Background



This preview shows how black text looks on a background with the XYZ color 33.0660, 42.1837, 48.5190.

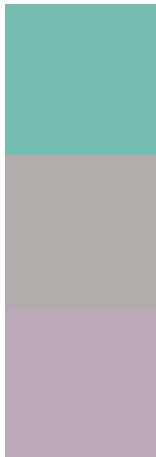


This preview shows how white text looks on a background with the XYZ color 33.0660, 42.1837,

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

33.0660, 42.1837, 48.5190

Protanopia

40.1397, 41.7544, 43.9740

Deuteranopia

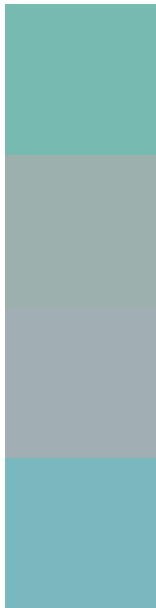
42.6958, 41.8218, 50.0781



Tritanopia

35.2949, 42.1551, 59.7026

Trichromacy



Original Color

33.0660, 42.1837, 48.5190

Protanomaly

36.9753, 41.5293, 45.6023

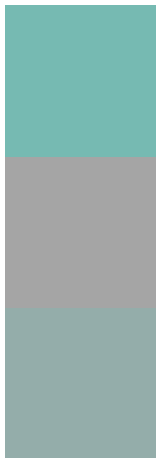
Deuteranomaly

38.3684, 41.5732, 49.7183

Tritanomaly

34.4296, 42.1075, 55.6031

Monochromacy



Original Color

33.0660, 42.1837, 48.5190

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4120, 39.0853, 43.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0660, 42.1837, 48.5190 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(118, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(118, 186, 178)  
}
```

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(118, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 186, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.0660, 42.1837, 48.5190 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(118, 186, 178) }
```


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

```
.border{ border-color:rgb(118, 186, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 186, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 186, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 186, 178); box-shadow:4px 4px 4px 4px rgb(118, 186, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0660, 42.1837, 48.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 186, 178) }
```

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

```
.background{ background-color: rgb(118,  
186, 178) }
```

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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