

Converting Colors

XYZ(33.8114, 42.9374, 50.5846)

Have a look what the booklet for
XYZ(33.8114, 42.9374, 50.5846)
contains.

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Color

**XYZ(33.8216, 42.8400,
50.7423)**

Conversions

Conversions Part 1

Format	Color
Hex	77BBB6
RGB	119, 187, 182
RGB Percent	47%, 73%, 71%
CMY	0.5333, 0.2667, 0.2863
CMYK	0.36, 0.00, 0.03, 0.27
HSL	176°, 33%, 60%
HSV	176°, 36%, 73%
XYZ	33.8216, 42.8400, 50.7423
YIQ	166.0980, -38.9230, -15.9710

Conversions

Conversions Part 2

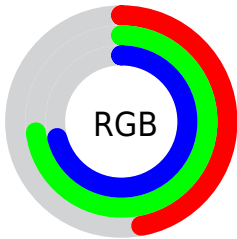
Format	Color
RYB	119, 154, 187
Decimal	7846838
CIELab	71.45, -22.61, -4.29
CIELCh	71, 23.013, 190.746
Yxy	42.8400, 0.2655, 0.3363
Android (android.graphics.Color)	4286036918 (0xFF77BBB6)
YUV	166.0980, 7.8397, -41.3049
Hunter-Lab	65.4523, -22.3040, -0.1484

Details

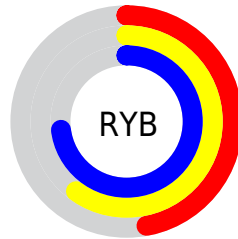
The XYZ color **33.8216, 42.8400, 50.7423** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.7300, 25.2150, 22.3178**, and the grayscale version is **36.2707, 38.1596, 41.5558**.

A 20% lighter version of the original color is **64.9388, 79.2729, 92.7675**, and **14.7343, 19.7934, 23.8128** is the 20% darker color. If you saturate the color by 10%, you get **31.3622, 41.5896, 49.8896**, and if you desaturate by 10%, it is **36.7898, 44.3547, 51.6280**.

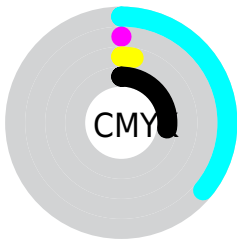
Distribution



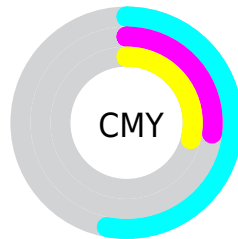
- Red (47%)
- Green (73%)
- Blue (71%)



- Red (47%)
- Yellow (60%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8216, 42.8400, 50.7423 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 33.8216, 42.8400, 50.7423 by changing the saturation by 10% instead.

 33.8216, 42.8400,
50.7423


 33.8216, 42.8400,
50.7423


310.9358,
357.9534, 406.3797


 22.9188, 29.7596,
35.6283


 65.0023, 79.4694,
92.6813

 14.6539, 19.6562,
23.8598


 86.0109, 103.7871,
120.3434

 8.6616, 12.1454,
15.0184


 111.1188,
132.6194, 153.0252

 4.5765, 6.8428,
8.6856

140.6914,
166.3507, 191.1454

 2.0331, 3.3640,
4.4427

175.0941,
205.3653, 235.1223

 0.6525, 1.3246,
1.8712

214.6921,

 0.0000, 0.1601,

250.0477, 285.3747

0.4743

259.8509,
300.7823, 342.3209

■ 0.0000, 0.0000,
0.0000

■ 33.8216, 42.8400,
50.7423

■ 33.8216, 42.8400,
50.7423

■ 31.3622, 41.5896,
49.8896

■ 36.7898, 44.3547,
51.6280

■ 29.3782, 40.5830,
49.0654

■ 40.2905, 46.1427,
52.5450

■ 27.8380, 39.8049,
48.2693


■ 44.3502, 48.2187,
53.4954


■ 26.7044, 39.2364,
47.4995


■ 48.9927, 50.5950,
54.4806


■ 25.9344, 38.8552,
46.7539


■ 54.2404, 53.2832,
55.5014


 25.4716, 38.6321,
46.0298

 60.1145, 56.2940,
56.5589

 25.3378, 38.5688,
45.7699

 66.6350, 59.6380,
57.6540

 68.6374, 60.6526,
58.5452

 68.7916, 60.7143,
59.3573

Harmonies

Analogous

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



34.0753, 42.8400, 39.9506



33.8216, 42.8400, 50.7423



35.3251, 42.8400, 62.0217

Triad

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



33.8216, 42.8400, 50.7423



45.7826, 42.8400, 64.7710



43.2274, 42.8400, 29.2471

Complementary

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



33.8216, 42.8400, 50.7423



30.7300, 25.2150, 22.3178

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.



46.6338, 42.8400, 34.0470



33.8216, 42.8400, 50.7423



48.1726, 42.8400, 54.0494

Square

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



33.8216, 42.8400, 50.7423



42.1246, 42.8400, 70.9344



48.4937, 42.8400, 42.7753



39.3434, 42.8400, 28.6503

Rectangle

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



33.8216, 42.8400, 50.7423



37.1811, 42.8400, 67.8723



48.4937, 42.8400, 42.7753



44.4726, 42.8400, 30.3818

Sweetspot

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



33.8228, 42.8417, 50.7433



75.7995, 84.5002, 94.9791



29.5103, 41.2092, 23.8525



16.4761, 18.4978, 20.8651



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.



33.8228, 42.8417, 50.7433



56.8350, 74.8231, 89.5973



28.9196, 32.1931, 51.7053



9.7775, 10.7971, 12.0776



17.4689, 26.5778, 31.5956



0.6934, 1.0447, 1.2857

Inverse Universe

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



30.7300, 25.2150, 22.3178



50.4561, 38.4326, 30.9449



34.3104, 32.8695, 21.9898



9.5579, 9.5475, 10.0608



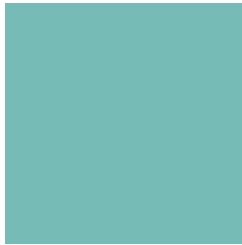
14.1843, 7.3049, 0.9985



0.5654, 0.2901, 0.0908

Previews

White Background



This preview shows how the XYZ color 33.8216, 42.8400, 50.7423 looks on a white background.

Color Contrast Check

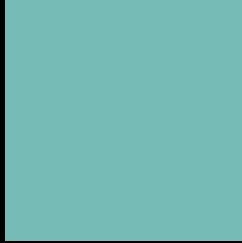
Large Text (above 18pt) WCAG AA × Fail

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 33.8216, 42.8400, 50.7423 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

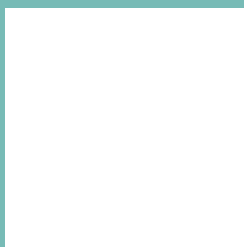
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8216, 42.8400, 50.7423

Background



This preview shows how black text looks on a background with the XYZ color 33.8216, 42.8400, 50.7423.



This preview shows how white text looks on a background with the XYZ color 33.8216, 42.8400,

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

33.8216, 42.8400, 50.7423

Protanopia

40.7150, 42.2902, 46.0613

Deuteranopia

43.3006, 42.3602, 52.3485



Tritanopia

35.6177, 42.6155, 60.3812

Trichromacy



Original Color

33.8216, 42.8400, 50.7423

Protanomaly

37.5665, 42.0830, 47.7378

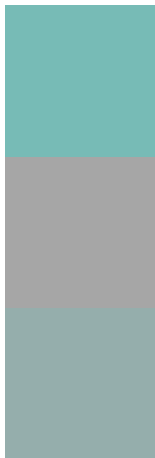
Deuteranomaly

39.1826, 42.2348, 51.9859

Tritanomaly

35.0006, 42.6858, 56.8465

Monochromacy



Original Color

33.8216, 42.8400, 50.7423

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.9769, 39.6402, 44.8376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8216, 42.8400, 50.7423 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(119, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 182)  
}
```

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(119, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.8216, 42.8400, 50.7423 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(119, 187, 182) }
```


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

```
.border{ border-color:rgb(119, 187, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 182);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8216, 42.8400, 50.7423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 182) }
```

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

```
.background{ background-color: rgb(119,  
187, 182) }
```

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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