

Converting Colors

XYZ(33.3229, 40.8059, 47.8427)

Have a look what the booklet for
XYZ(33.3229, 40.8059, 47.8427)
contains.

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Color

**XYZ(33.3618, 40.8113,
47.7140)**

Conversions

Conversions Part 1

Format	Color
Hex	80B5B1
RGB	128, 181, 177
RGB Percent	50%, 71%, 69%
CMY	0.4980, 0.2902, 0.3059
CMYK	0.29, 0.00, 0.02, 0.29
HSL	175°, 26%, 61%
HSV	175°, 29%, 71%
XYZ	33.3618, 40.8113, 47.7140
YIQ	164.6970, -30.3040, -12.4800

Conversions

Conversions Part 2

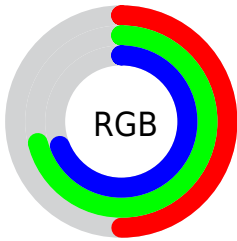
Format	Color
RYB	128, 156, 181
Decimal	8435121
CIELab	70.04, -18.18, -3.56
CIELCh	70, 18.521, 191.085
Yxy	40.8113, 0.2737, 0.3348
Android (android.graphics.Color)	4286625201 (0xFF80B5B1)
YUV	164.6970, 6.0654, -32.1833
Hunter-Lab	63.8837, -18.5790, 0.4356

Details

The XYZ color **33.3618, 40.8113, 47.7140** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.9415, 26.9292, 25.3985**, and the grayscale version is **35.6023, 37.4564, 40.7900**.

A 20% lighter version of the original color is **64.2836, 76.3966, 88.4487**, and **14.4013, 18.4555, 22.2053** is the 20% darker color. If you saturate the color by 10%, you get **30.7432, 39.4780, 46.8846**, and if you desaturate by 10%, it is **36.4698, 42.3988, 48.5751**.

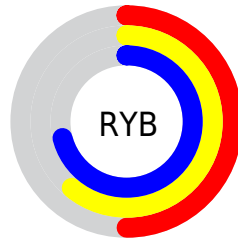
Distribution



Red (50%)

Green (71%)

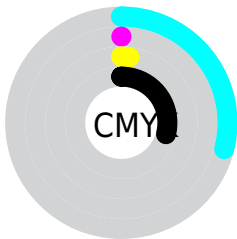
Blue (69%)



Red (50%)

Yellow (61%)

Blue (71%)

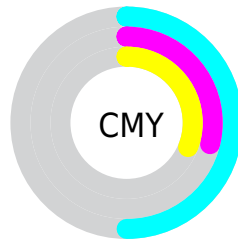


Cyan (29%)

Magenta (0%)

Yellow (2%)

Black (29%)



Cyan (50%)


Magenta (29%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3618, 40.8113, 47.7140 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 33.3618, 40.8113, 47.7140 by changing the saturation by 10% instead.


 33.3618, 40.8113,
47.7140


 33.3618, 40.8113,
47.7140


308.9131,
349.5313, 394.1333


 22.5643, 28.1717,
33.2421

 64.2909, 76.3974,
88.1395

 14.3911, 18.4551,
22.0393


 85.1532, 100.1126,
114.9302

 8.4767, 11.2772,
13.6872


 110.1011,
128.2884, 146.6643

 4.4558, 6.2536,
7.7672

139.5001,
161.3094, 183.7602

 1.9631, 2.9999,
3.8607

173.7154,
199.5597, 226.6365

 0.6131, 1.1317,
1.5492

213.1125,

 0.0000, 0.0048,

243.4239, 275.7117

0.2542

258.0566,
293.2863, 331.4045

■ 0.0000, 0.0000,
0.0000

■ 33.3618, 40.8113,
47.7140

■ 33.3618, 40.8113,
47.7140

■ 30.7432, 39.4780,
46.8846

■ 36.4698, 42.3988,
48.5751

■ 28.5846, 38.3807,
46.0830

■ 40.0876, 44.2478,
49.4664

■ 26.8589, 37.5065,
45.3088

■ 44.2387, 46.3716,
50.3898

■ 25.5350, 36.8392,
44.5604

■ 48.9440, 48.7810,
51.3463

■ 24.5772, 36.3604,
43.8362

■ 54.2235, 51.4863,
52.3369

■ 23.9437, 36.0488,
43.1342

■ 60.0960, 54.4970,
53.3625

■ 23.5561, 35.8637,
42.4506

■ 66.5796, 57.8227,
54.4239

■ 23.5307, 35.8516,
42.4019

■ 66.8348, 57.9373,
55.2011

■ 66.9828, 57.9965,
55.9805

Harmonies

Analogous

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



33.5479, 40.8113, 39.2567



33.3618, 40.8113, 47.7140



34.5724, 40.8113, 56.2964

Triad

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



33.3618, 40.8113, 47.7140



42.7358, 40.8113, 58.1990



40.7044, 40.8113, 30.4781

Complementary

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



33.3618, 40.8113, 47.7140



30.9415, 26.9292, 25.3985

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.



43.3372, 40.8113, 34.3716



33.3618, 40.8113, 47.7140



44.5514, 40.8113, 50.0531

Square

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



33.3618, 40.8113, 47.7140



39.9180, 40.8113, 62.8525



44.7770, 40.8113, 41.3128



37.6833, 40.8113, 30.0229

Rectangle

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



33.3618, 40.8113, 47.7140



36.0473, 40.8113, 60.6555



44.7770, 40.8113, 41.3128



41.6682, 40.8113, 31.4019

Sweetspot

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



33.3630, 40.8129, 47.7149



71.8845, 79.2903, 88.6109



30.0024, 39.5472, 26.4750



15.3228, 17.0280, 19.1016



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.3630, 40.8129, 47.7149



56.6939, 71.5343, 84.5095



29.6276, 32.6944, 48.4671



8.7144, 9.6203, 10.7557



16.2323, 24.7189, 29.2896



0.5189, 0.7810, 0.9645

Inverse Universe

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



30.9415, 26.9292, 25.3985



51.6681, 42.7025, 38.1794



33.8734, 33.2230, 25.0502



8.5215, 8.5153, 8.9789



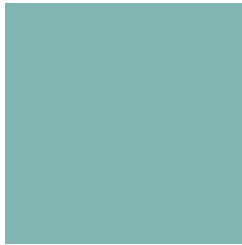
13.2005, 6.7978, 0.9500



0.4239, 0.2173, 0.0749

Previews

White Background



This preview shows how the XYZ color 33.3618, 40.8113, 47.7140 looks on a white background.

Color Contrast Check

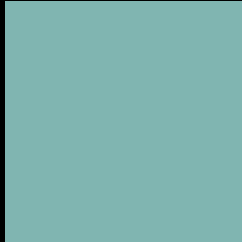
Large Text (above 18pt) WCAG AA × Fail

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 33.3618, 40.8113, 47.7140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

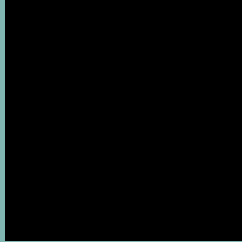
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3618, 40.8113, 47.7140

Background



This preview shows how black text looks on a background with the XYZ color 33.3618, 40.8113, 47.7140.



This preview shows how white text looks on a background with the XYZ color 33.3618, 40.8113,

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

33.3618, 40.8113, 47.7140

Protanopia

38.8640, 40.5360, 43.8061

Deuteranopia

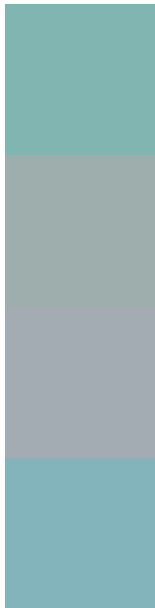
41.4029, 40.6350, 48.8412



Tritanopia

35.2615, 40.9960, 56.5066

Trichromacy



Original Color

33.3618, 40.8113, 47.7140

Protanomaly

36.5835, 40.4573, 45.4161

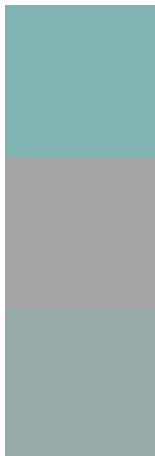
Deuteranomaly

37.8039, 40.1670, 48.4084

Tritanomaly

34.6510, 41.0557, 53.1119

Monochromacy



Original Color

33.3618, 40.8113, 47.7140

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.6732, 38.6658, 43.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3618, 40.8113, 47.7140 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, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(128, 181, 177)  
}
```

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, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 181, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.3618, 40.8113, 47.7140 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, 181, 177) }
```


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

```
.border{ border-color:rgb(128, 181, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 181, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 181, 177);  
box-shadow:4px 4px 4px 4px rgb(128, 181,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3618, 40.8113, 47.7140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 181, 177) }
```

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

```
.background{ background-color: rgb(128,  
181, 177) }
```

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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