

Converting Colors

XYZ(33.2806, 41.5400, 51.4190)

Have a look what the booklet for
XYZ(33.2806, 41.5400, 51.4190)
contains.

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Color

**XYZ(33.4000, 41.6636,
51.6289)**

Conversions

Conversions Part 1

Format	Color
Hex	77B8B8
RGB	119, 184, 184
RGB Percent	47%, 72%, 72%
CMY	0.5333, 0.2784, 0.2784
CMYK	0.35, 0.00, 0.00, 0.28
HSL	180°, 31%, 59%
HSV	180°, 35%, 72%
XYZ	33.4000, 41.6636, 51.6289
YIQ	164.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

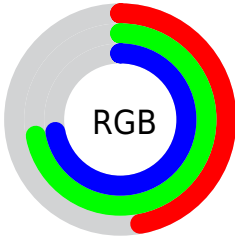
Format	Color
R _Y B	119, 152, 184
Decimal	7846072
CIE Lab	70.64, -20.61, -6.58
CIE LCh	71, 21.631, 197.714
Yxy	41.6636, 0.2636, 0.3289
Android (android.graphics.Color)	4286036152 (0xFF77B8B8)
YUV	164.5650, 9.5815, -39.9605
Hunter-Lab	64.5473, -20.5931, -2.2406

Details

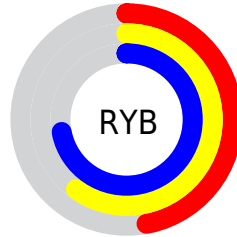
The XYZ color **33.4000, 41.6636, 51.6289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.6953, 24.7172, 20.6602**, and the grayscale version is **35.5259, 37.3760, 40.7025**.

A 20% lighter version of the original color is **64.3438, 77.6101, 94.0270**, and **14.4598, 19.0295, 24.3837** is the 20% darker color. If you saturate the color by 10%, you get **31.1154, 40.4869, 51.5226**, and if you desaturate by 10%, it is **36.1759, 43.0956, 51.7600**.

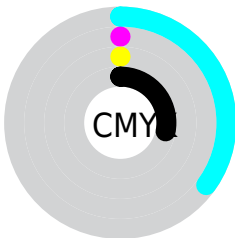
Distribution



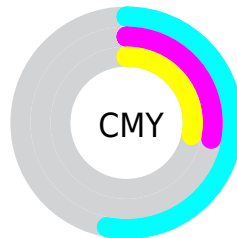
- Red (47%)
- Green (72%)
- Blue (72%)



- Red (47%)
- Yellow (60%)
- Blue (72%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (53%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4000, 41.6636, 51.6289 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 33.4000, 41.6636, 51.6289 by changing the saturation by 10% instead.

■ 33.4000, 41.6636,
51.6289

■ 33.4000, 41.6636,
51.6289

309.0815,
353.0865, 409.9184

■ 22.5937, 28.8380,
36.3292

■ 64.3500, 77.6902,
94.0047

■ 14.4129, 18.9583,
24.3968

■ 85.2245, 101.6600,
121.9179

■ 8.4920, 11.6401,
15.4133

■ 110.1858,
130.1134, 154.8726

■ 4.4658, 6.4991,
8.9601

139.5992,
163.4346, 193.2874

■ 1.9689, 3.1509,
4.6187

173.8302,
202.0081, 237.5808

■ 0.6164, 1.2110,
1.9706

213.2440,

■ 0.0000, 0.0707,

246.2184, 288.1715

0.5371

258.2060,
296.4497, 345.4778

■ 0.0000, 0.0000,
0.0000

■ 33.4000, 41.6636,
51.6289

■ 33.4000, 41.6636,
51.6289

■ 31.1154, 40.4869,
51.5226

■ 36.1759, 43.0956,
51.7600

■ 29.2902, 39.5460,
51.4368

■ 39.4655, 44.7915,
51.9143

■ 27.8944, 38.8264,
51.3712

■ 43.2943, 46.7653,
52.0938

■ 26.8928, 38.3100,
51.3240

■ 47.6849, 49.0287,
52.2996

■ 26.2448, 37.9760,
51.2934

■ 52.6587, 51.5928,
52.5327

■ 25.9003, 37.7984,
51.2770

■ 58.2359, 54.4680,
52.7940

■ 25.7926, 37.7429,
51.2718

■ 64.4359, 57.6642,
53.0844

■ 67.0335, 59.0033,
53.2063

■ 67.0336, 59.0033,
53.2066

Harmonies

Analogous

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



33.2497, 41.6636, 41.2988



33.4000, 41.6636, 51.6289



35.1481, 41.6636, 61.5617

Triad

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



33.4000, 41.6636, 51.6289



44.9120, 41.6636, 59.9584



41.0824, 41.6636, 28.7045

Complementary

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



33.4000, 41.6636, 51.6289



29.6953, 24.7172, 20.6602

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.



44.4128, 41.6636, 32.2912



33.4000, 41.6636, 51.6289



46.7114, 41.6636, 49.6888

Square

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



33.4000, 41.6636, 51.6289



41.7308, 41.6636, 66.8464



46.5234, 41.6636, 39.6286



37.5430, 41.6636, 29.0620

Rectangle

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



33.4000, 41.6636, 51.6289



37.0473, 41.6636, 66.1525



46.5234, 41.6636, 39.6286



42.2674, 41.6636, 29.4635

Sweetspot

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



33.4012, 41.6653, 51.6299



74.2926, 82.6131, 94.2343



28.2289, 39.6136, 23.6122



15.8197, 17.7085, 20.3057



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.



33.4012, 41.6653, 51.6299



57.4068, 73.9082, 93.4422



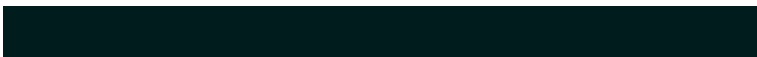
27.5840, 30.0304, 49.6918



9.2667, 10.2107, 11.5618



17.7754, 26.0111, 35.3347



0.6266, 0.9170, 1.2457

Inverse Universe

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



29.6953, 24.7172, 20.6602



49.7321, 38.8105, 29.3073



34.0714, 33.4697, 22.1183



9.0046, 9.0122, 9.3719



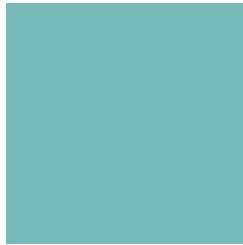
13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 33.4000, 41.6636, 51.6289 looks on a white background.

Color Contrast Check

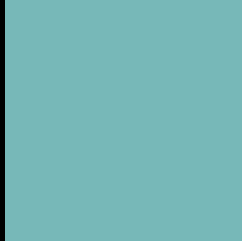
Large Text (above 18pt) WCAG AA × Fail

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 33.4000, 41.6636, 51.6289 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 33.4000, 41.6636, 51.6289

Background



This preview shows how black text looks on a background with the XYZ color 33.4000, 41.6636, 51.6289.

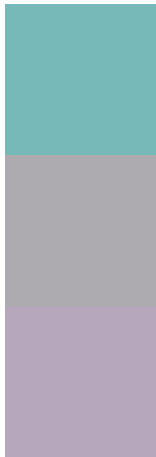


This preview shows how white text looks on a background with the XYZ color 33.4000, 41.6636,

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

33.4000, 41.6636, 51.6289

Protanopia

39.8549, 41.2591, 46.9375

Deuteranopia

42.1872, 41.2134, 53.3084



Tritanopia

34.8320, 41.6247, 59.0218

Trichromacy



Original Color

33.4000, 41.6636, 51.6289

Protanomaly

36.9884, 41.1754, 48.6460

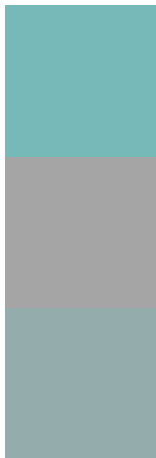
Deuteranomaly

38.2113, 40.8459, 52.8838

Tritanomaly

34.3331, 41.7377, 56.1158

Monochromacy



Original Color

33.4000, 41.6636, 51.6289

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4117, 38.7795, 44.7012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4000, 41.6636, 51.6289 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, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(119, 184, 184)  
}
```

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, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 184, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.4000, 41.6636, 51.6289 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, 184, 184) }
```


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

```
.border{ border-color:rgb(119, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(119, 184,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4000, 41.6636, 51.6289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 184, 184) }
```

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

```
.background{ background-color: rgb(119,  
184, 184) }
```

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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