

Converting Colors

XYZ(33.4700, 40.5134, 50.8537)

Have a look what the booklet for
XYZ(33.4700, 40.5134, 50.8537)
contains.

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Color

**XYZ(33.4727, 40.4970,
50.8523)**

Conversions

Conversions Part 1

Format	Color
Hex	7EB4B7
RGB	126, 180, 183
RGB Percent	49%, 71%, 72%
CMY	0.5059, 0.2941, 0.2823
CMYK	0.31, 0.02, 0.00, 0.28
HSL	183°, 28%, 61%
HSV	183°, 31%, 72%
XYZ	33.4727, 40.4970, 50.8523
YIQ	164.1960, -33.1470, -10.5150

Conversions

Conversions Part 2

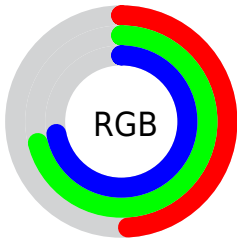
Format	Color
R _Y B	126, 154, 183
Decimal	8303799
CIE Lab	69.82, -16.83, -7.20
CIE LCh	70, 18.308, 203.169
Yxy	40.4970, 0.2682, 0.3244
Android (android.graphics.Color)	4286493879 (0xFF7EB4B7)
YUV	164.1960, 9.2704, -33.4979
Hunter-Lab	63.6373, -17.4756, -2.8323

Details

The XYZ color **33.4727, 40.4970, 50.8523** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1452, 27.2746, 23.3626**, and the grayscale version is **35.3494, 37.1903, 40.5003**.

A 20% lighter version of the original color is **64.3978, 75.9262, 92.9225**, and **14.4427, 18.2463, 23.8798** is the 20% darker color. If you saturate the color by 10%, you get **30.8239, 38.8450, 50.6737**, and if you desaturate by 10%, it is **36.6189, 42.4094, 51.0563**.

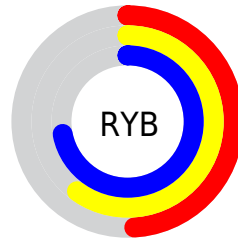
Distribution



Red (49%)

Green (71%)

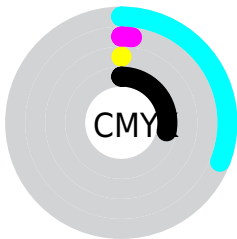
Blue (72%)



Red (49%)

Yellow (60%)

Blue (72%)

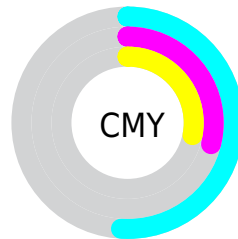


Cyan (31%)

Magenta (2%)

Yellow (0%)

Black (28%)



Cyan (51%)

Magenta (29%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4727, 40.4970, 50.8523 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 33.4727, 40.4970, 50.8523 by changing the saturation by 10% instead.

■ 33.4727, 40.4970,
50.8523

■ 33.4727, 40.4970,
50.8523

309.4019,
348.2139, 406.8198

■ 22.6498, 27.9263,
35.7152

■ 64.4626, 75.9197,
92.8457

■ 14.4544, 18.2701,
23.9263

■ 85.3603, 99.5405,
120.5390

■ 8.5212, 11.1441,
15.0673

■ 110.3469,
127.6134, 153.2548

■ 4.4848, 6.1638,
8.7195

139.7878,
160.5229, 191.4116

■ 1.9799, 2.9449,
4.4644

174.0484,
198.6533, 235.4280

■ 0.6226, 1.1031,
1.8834

213.4941,

■ 0.0000, 0.0000,

242.3890, 285.7224

0.4821

258.4901,
292.1144, 342.7135

■ 0.0000, 0.0000,
0.0000

■ 33.4727, 40.4970,
50.8523

■ 33.4727, 40.4970,
50.8523

■ 30.8239, 38.8450,
50.6737

■ 36.6189, 42.4094,
51.0563

■ 28.6419, 37.4347,
50.5165

■ 40.2838, 44.5902,
51.2841

■ 26.8984, 36.2524,
50.3802

■ 44.4918, 47.0530,
51.5377

■ 25.5606, 35.2812,
50.2632

■ 49.2646, 49.8091,
51.8181

■ 24.5908, 34.5017,
50.1639

■ 54.6231, 52.8690,
52.1263

■ 23.9446, 33.8911,
50.0801

■ 60.5866, 56.2429,
52.4632

■ 23.5631, 33.4504,
50.0151

■ 67.1739, 59.9403,
52.8297

■ 67.7074, 60.5190,
52.9132

■ 67.9133, 60.9308,
52.9819

Harmonies

Analogous

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



33.0912, 40.4970, 42.1761



33.4727, 40.4970, 50.8523



35.1660, 40.4970, 58.5346

Triad

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



33.4727, 40.4970, 50.8523



43.2489, 40.4970, 54.6512



39.1749, 40.4970, 29.7583

Complementary

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



33.4727, 40.4970, 50.8523



31.1452, 27.2746, 23.3626

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.



42.0196, 40.4970, 32.2488



33.4727, 40.4970, 50.8523



44.4488, 40.4970, 46.0698

Square

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



33.4727, 40.4970, 50.8523



40.7837, 40.4970, 60.9176



43.9878, 40.4970, 37.9633



36.2862, 40.4970, 30.6942

Rectangle

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



33.4727, 40.4970, 50.8523



36.8601, 40.4970, 61.6885



43.9878, 40.4970, 37.9633



40.1697, 40.4970, 30.2107

Sweetspot

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



33.4739, 40.4986, 50.8532



73.5731, 80.6993, 91.9345



29.4910, 39.8844, 26.8617



16.0199, 17.6885, 20.2915



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.



33.4739, 40.4986, 50.8532



56.7837, 70.5656, 90.8634



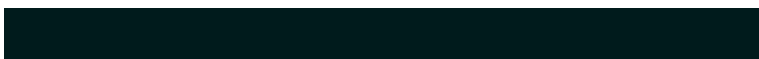
28.3238, 30.1985, 49.1365



9.2251, 10.1275, 11.5480



16.4538, 23.3672, 34.8962



0.5924, 0.8486, 1.2343

Inverse Universe

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



35.2285, 28.2853, 46.7846



60.4283, 45.5101, 82.3421



35.4114, 35.8071, 24.7847



9.3600, 9.1544, 11.2431



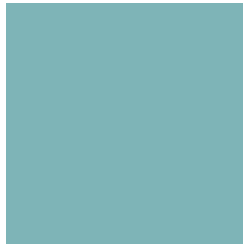
18.9188, 9.1413, 28.5228



0.6732, 0.3248, 1.0385

Previews

White Background



This preview shows how the XYZ color 33.4727, 40.4970, 50.8523 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 33.4727, 40.4970, 50.8523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

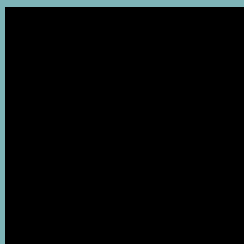
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

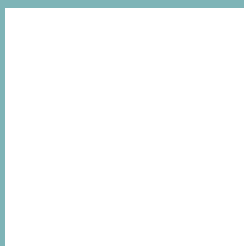
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4727, 40.4970, 50.8523

Background



This preview shows how black text looks on a background with the XYZ color 33.4727, 40.4970, 50.8523.

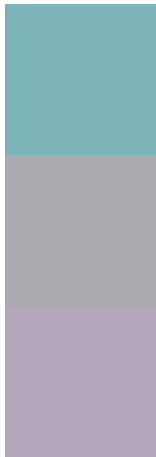


This preview shows how white text looks on a background with the XYZ color 33.4727, 40.4970,

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

33.4727, 40.4970, 50.8523

Protanopia

38.8190, 40.1685, 46.7816

Deuteranopia

40.9085, 40.0391, 52.0266



Tritanopia

34.4481, 40.2802, 56.4113

Trichromacy



Original Color

33.4727, 40.4970, 50.8523

Protanomaly

36.5978, 40.1104, 48.4610

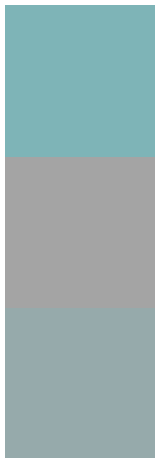
Deuteranomaly

37.6289, 39.7258, 51.5835

Tritanomaly

34.0578, 40.4263, 54.1521

Monochromacy



Original Color

33.4727, 40.4970, 50.8523

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3031, 38.1738, 44.0884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4727, 40.4970, 50.8523 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(126, 180, 183)` looks like.

```
.text, #text, p{  
    color:rgb(126, 180, 183)  
}
```

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(126, 180, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 180, 183) }
```

Border

The CSS property to change the border of an element to XYZ 33.4727, 40.4970, 50.8523 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(126, 180, 183) }
```


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

```
.border{ border-color:rgb(126, 180, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 180, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 180, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 180, 183);  
box-shadow:4px 4px 4px 4px rgb(126, 180,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4727, 40.4970, 50.8523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 180, 183) }
```

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

```
.background{ background-color: rgb(126,  
180, 183) }
```

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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