

Converting Colors

XYZ(33.2660, 40.4627, 32.8434)

Have a look what the booklet for
XYZ(33.2660, 40.4627, 32.8434)
contains.

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Color

**XYZ(33.2636, 40.4876,
32.8498)**

Conversions

Conversions Part 1

Format	Color
Hex	93B391
RGB	147, 179, 145
RGB Percent	58%, 70%, 57%
CMY	0.4235, 0.2980, 0.4314
CMYK	0.18, 0.00, 0.19, 0.30
HSL	116°, 18%, 64%
HSV	116°, 19%, 70%
XYZ	33.2636, 40.4876, 32.8498
YIQ	165.5560, -8.1580, -17.3580

Conversions

Conversions Part 2

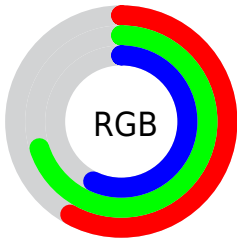
Format	Color
RYB	145, 179, 177
Decimal	9679761
CIELab	69.82, -17.54, 13.82
CIElCh	70, 22.329, 141.766
Yxy	40.4876, 0.3120, 0.3798
Android (android.graphics.Color)	4287869841 (0xFF93B391)
YUV	165.5560, -10.1341, -16.2736
Hunter-Lab	63.6299, -18.0383, 13.9316

Details

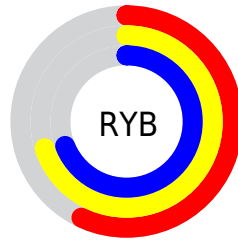
The XYZ color **33.2636, 40.4876, 32.8498** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.3952, 32.8537, 47.0731**, and the grayscale version is **36.0823, 37.9614, 41.3400**.

A 20% lighter version of the original color is **64.1045, 75.9577, 65.3155**, and **14.3051, 18.2167, 13.3519** is the 20% darker color. If you saturate the color by 10%, you get **29.1877, 38.5347, 26.0129**, and if you desaturate by 10%, it is **38.0016, 42.7591, 40.8547**.

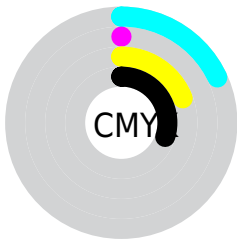
Distribution



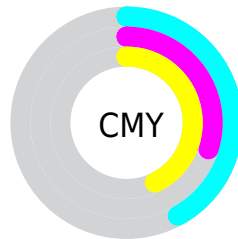
- Red (58%)
- Green (70%)
- Blue (57%)



- Red (57%)
- Yellow (70%)
- Blue (69%)



- Cyan (18%)
- Magenta (0%)
- Yellow (19%)
- Black (30%)





- Cyan (42%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2636, 40.4876, 32.8498 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 33.2636, 40.4876, 32.8498 by changing the saturation by 10% instead.

 33.2636, 40.4876,
32.8498


 33.2636, 40.4876,
32.8498


308.4799,
348.1745, 329.5836

 22.4887, 27.9189,
21.7412


 64.1388, 75.9054,
65.2543

 14.3350, 18.2646,
13.4704


 84.9697, 99.5234,
87.3872

 8.4373, 11.1401,
7.6187


109.8834,
127.5932, 114.0321

 4.4302, 6.1611,
3.7677

139.2451,
160.4994, 145.6074

 1.9483, 2.9433,
1.4988

173.4203,
198.6261, 182.5317

 0.6046, 1.1022,
0.2170

212.7742,

 0.0000, 0.0000,

242.3580, 225.2234

0.0000

257.6723,
292.0793, 274.1012

■ 33.2636, 40.4876,
32.8498

■ 33.2636, 40.4876,
32.8498

■ 29.1877, 38.5347,
26.0129

■ 38.0016, 42.7591,
40.8547

■ 25.7415, 36.8813,
20.2868

■ 43.4261, 45.3570,
50.0758

■ 22.8944, 35.5140,
15.6138

■ 49.5640, 48.2955,
60.5617

■ 20.6123, 34.4167,
11.9298

■ 56.4398, 51.5861,
72.3578

■ 18.8573, 33.5714,
9.1636

■ 64.0771, 55.2401,
85.5069

■ 17.5872, 32.9580,
7.2346

■ 72.4981, 59.2682,
100.0503

■ 16.7531, 32.5534,
6.0483

■ 75.4109, 60.7218,
102.3536

■ 16.2855, 32.3255,
5.4328

■ 16.2527, 32.3098,
5.3798

Harmonies

Analogous

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



35.9554, 40.4876, 28.0247



33.2636, 40.4876, 32.8498



31.9889, 40.4876, 41.2870

Triad

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



33.2636, 40.4876, 32.8498



37.4928, 40.4876, 66.9344



45.3241, 40.4876, 37.0895

Complementary

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



33.2636, 40.4876, 32.8498



36.3952, 32.8537, 47.0731

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.



45.7997, 40.4876, 47.0048



33.2636, 40.4876, 32.8498



41.1248, 40.4876, 65.3393

Square

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



33.2636, 40.4876, 32.8498



34.3284, 40.4876, 61.6934



44.2200, 40.4876, 57.6257



42.9584, 40.4876, 30.1917

Rectangle

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



33.2636, 40.4876, 32.8498



32.0549, 40.4876, 48.2805



44.2200, 40.4876, 57.6257



45.7160, 40.4876, 40.1382

Sweetspot

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



33.2647, 40.4893, 32.8507



70.7393, 77.8616, 77.7173



39.3725, 42.9691, 33.0074



15.5387, 17.1862, 16.9914



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.



33.2647, 40.4893, 32.8507



56.2231, 70.9059, 53.2005



34.1203, 40.7905, 39.2118



8.4337, 9.5131, 9.0442



11.5039, 22.8405, 3.8023



0.3772, 0.7265, 0.1204

Inverse Universe

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



36.3952, 32.8537, 47.0731



62.9132, 54.5839, 83.6010



35.4422, 32.5255, 39.6598



8.7997, 8.6208, 10.7065



17.2518, 8.2294, 30.8162



0.5576, 0.2666, 0.9703

Previews

White Background



This preview shows how the XYZ color 33.2636, 40.4876, 32.8498 looks on a white background.

Color Contrast Check

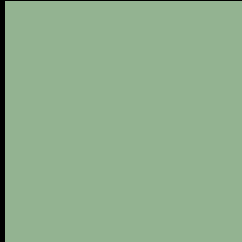
Large Text (above 18pt) WCAG AA × Fail

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 33.2636, 40.4876, 32.8498 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 33.2636, 40.4876, 32.8498

Background



This preview shows how black text looks on a background with the XYZ color 33.2636, 40.4876, 32.8498.



This preview shows how white text looks on a background with the XYZ color 33.2636, 40.4876,

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

33.2636, 40.4876, 32.8498

Protanopia

37.9307, 40.3462, 30.5994

Deuteranopia

41.1264, 40.2911, 33.6263



Tritanopia

37.2396, 40.3450, 52.8383

Trichromacy



Original Color

33.2636, 40.4876, 32.8498

Protanomaly

35.9745, 40.1650, 31.4477

Deuteranomaly

37.8145, 39.9475, 33.3214

Tritanomaly

35.5389, 40.2178, 44.9194

Monochromacy



Original Color

33.2636, 40.4876, 32.8498

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0325, 38.9654, 38.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2636, 40.4876, 32.8498 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(147, 179, 145)` looks like.

```
.text, #text, p{  
    color:rgb(147, 179, 145)  
}
```

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(147, 179, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 179, 145) }
```

Border

The CSS property to change the border of an element to XYZ 33.2636, 40.4876, 32.8498 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(147, 179, 145) }
```


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

```
.border{ border-color:rgb(147, 179, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 179, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 179, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 179, 145);  
box-shadow:4px 4px 4px 4px rgb(147, 179,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2636, 40.4876, 32.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 179, 145) }
```

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

```
.background{ background-color: rgb(147,  
179, 145) }
```

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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