

Converting Colors

XYZ(33.6393, 40.2537, 33.8047)

Have a look what the booklet for
XYZ(33.6393, 40.2537, 33.8047)
contains.

XYZ(33.7645, 40.4314, 33.6282)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7645, 40.4314,
33.6282)**

Conversions

Conversions Part 1

Format	Color
Hex	96B293
RGB	150, 178, 147
RGB Percent	59%, 70%, 58%
CMY	0.4118, 0.3019, 0.4235
CMYK	0.16, 0.00, 0.17, 0.30
HSL	114°, 17%, 64%
HSV	114°, 17%, 70%
XYZ	33.7645, 40.4314, 33.6282
YIQ	166.0940, -6.7370, -15.5770

Conversions

Conversions Part 2

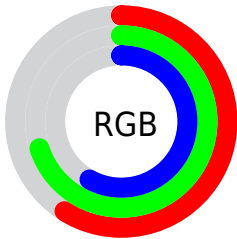
Format	Color
RYB	147, 178, 175
Decimal	9876115
CIELab	69.78, -15.61, 12.70
CIELCh	70, 20.122, 140.867
Yxy	40.4314, 0.3131, 0.3750
Android (android.graphics.Color)	4288066195 (0xFF96B293)
YUV	166.0940, -9.4133, -14.1144
Hunter-Lab	63.5857, -16.4901, 13.1536

Details

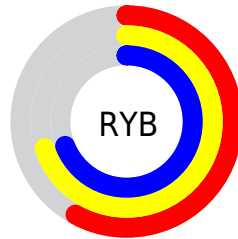
The XYZ color **33.7645, 40.4314, 33.6282** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.1505, 33.1969, 46.6239**, and the grayscale version is **36.3383, 38.2307, 41.6332**.

A 20% lighter version of the original color is **64.8673, 75.9001, 66.4896**, and **14.5905, 18.1644, 13.8034** is the 20% darker color. If you saturate the color by 10%, you get **29.7162, 38.4947, 26.7030**, and if you desaturate by 10%, it is **38.4372, 42.6673, 41.7126**.

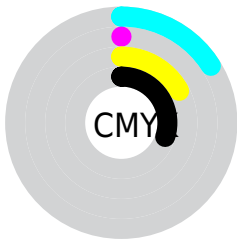
Distribution



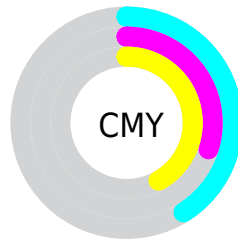
- Red (59%)
- Green (70%)
- Blue (58%)



- Red (58%)
- Yellow (70%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (30%)





- Cyan (41%)
- Magenta (30%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7645, 40.4314, 33.6282 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 33.7645, 40.4314, 33.6282 by changing the saturation by 10% instead.


 33.7645, 40.4314,
33.6282


 33.7645, 40.4314,
33.6282


310.6851,
347.9385, 333.1894

 22.8748, 27.8751,
22.3331


 64.9140, 75.8200,
66.4823

 14.6213, 18.2315,
13.9012


 85.9045, 99.4210,
88.8784

 8.6386, 11.1163,
7.9140


110.9926,
127.4724, 115.8119

 4.5614, 6.1451,
3.9530

140.5437,
160.3586, 147.7014

 2.0244, 2.9335,
1.5996

174.9232,
198.4638, 184.9653

 0.6476, 1.0971,
0.2905

214.4963,

 0.0000, 0.0000,

242.1727, 228.0223

0.0000

259.6285,
291.8694, 277.2908

■ 33.7645, 40.4314,
33.6282

■ 33.7645, 40.4314,
33.6282

■ 29.7162, 38.4947,
26.7030

■ 38.4372, 42.6673,
41.7126

■ 26.2626, 36.8396,
20.8814

■ 43.7557, 45.2090,
51.0030

■ 23.3767, 35.4545,
16.1072

■ 49.7445, 48.0692,
61.5471

■ 21.0278, 34.3251,
12.3182

■ 56.4260, 51.2584,
73.3890

■ 19.1826, 33.4355,
9.4456

■ 63.8212, 54.7867,
86.5707

■ 17.8039, 32.7683,
7.4118

■ 71.9505, 58.6636,
101.1323

■ 16.8492, 32.3036,
6.1265

■ 75.2112, 60.3224,
102.2871

■ 16.2636, 32.0160,
5.4546

■ 16.1563, 31.9636,
5.3181

Harmonies

Analogous

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



36.2369, 40.4314, 29.2766



33.7645, 40.4314, 33.6282



32.5610, 40.4314, 41.2320

Triad

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



33.7645, 40.4314, 33.6282



37.4415, 40.4314, 64.2543



44.5948, 40.4314, 37.9274

Complementary

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



33.7645, 40.4314, 33.6282



36.1505, 33.1969, 46.6239

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.



44.9624, 40.4314, 46.9370



33.7645, 40.4314, 33.6282



40.7074, 40.4314, 63.0386

Square

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



33.7645, 40.4314, 33.6282



34.6035, 40.4314, 59.4842



43.5041, 40.4314, 56.3653



42.5262, 40.4314, 31.5038

Rectangle

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



33.7645, 40.4314, 33.6282



32.5905, 40.4314, 47.4984



43.5041, 40.4314, 56.3653



44.9258, 40.4314, 40.7213

Sweetspot

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



33.7656, 40.4331, 33.6291



71.8410, 78.3942, 79.3665



38.9388, 42.1946, 33.6964



15.7734, 17.2999, 17.3346



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.



33.7656, 40.4331, 33.6291



58.1986, 71.8693, 55.7791



34.2471, 40.5628, 39.0087



8.4627, 9.5281, 9.0456



11.5850, 22.8824, 3.8061



0.3893, 0.7328, 0.1209

Inverse Universe

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



36.1505, 33.1969, 46.6239



63.3566, 56.2135, 83.8922



35.6415, 33.0720, 40.3908



8.7674, 8.6041, 10.7050



16.2638, 7.7201, 30.7699



0.5350, 0.2549, 0.9692

Previews

White Background



This preview shows how the XYZ color 33.7645, 40.4314, 33.6282 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 33.7645, 40.4314, 33.6282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

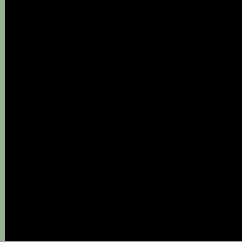
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7645, 40.4314, 33.6282

Background



This preview shows how black text looks on a background with the XYZ color 33.7645, 40.4314, 33.6282.



This preview shows how white text looks on a background with the XYZ color 33.7645, 40.4314,

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

33.7645, 40.4314, 33.6282

Protanopia

37.9231, 40.3163, 31.7697

Deuteranopia

41.0286, 40.2223, 34.4554



Tritanopia

37.5168, 40.5002, 52.2944

Trichromacy



Original Color

33.7645, 40.4314, 33.6282

Protanomaly

36.1261, 40.2256, 32.2458

Deuteranomaly

37.9729, 40.0108, 34.1552

Tritanomaly

36.1028, 40.5085, 44.9458

Monochromacy



Original Color

33.7645, 40.4314, 33.6282

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.1299, 38.7262, 38.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7645, 40.4314, 33.6282 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(150, 178, 147)` looks like.

```
.text, #text, p{  
    color:rgb(150, 178, 147)  
}
```

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(150, 178, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 178, 147) }
```

Border

The CSS property to change the border of an element to XYZ 33.7645, 40.4314, 33.6282 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(150, 178, 147) }
```


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

```
.border{ border-color:rgb(150, 178, 147) }
```

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

Here you see how a box with a 4 pixel rgb(150, 178, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 178, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 178, 147);  
box-shadow:4px 4px 4px 4px rgb(150, 178,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7645, 40.4314, 33.6282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 178, 147) }
```

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

```
.background{ background-color: rgb(150,  
178, 147) }
```

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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