

Converting Colors

XYZ(37.6769, 44.5825, 33.2819)

Have a look what the booklet for
XYZ(37.6769, 44.5825, 33.2819)
contains.

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Color

**XYZ(37.7696, 44.6348,
33.4128)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B991
RGB	164, 185, 145
RGB Percent	64%, 73%, 57%
CMY	0.3569, 0.2745, 0.4314
CMYK	0.11, 0.00, 0.22, 0.27
HSL	92°, 22%, 65%
HSV	92°, 22%, 73%
XYZ	37.7696, 44.6348, 33.4128
YIQ	174.1610, 0.3240, -16.8920

Conversions

Conversions Part 2

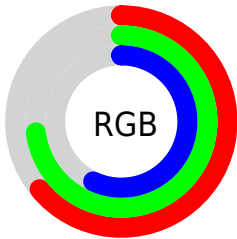
Format	Color
RYB	145, 185, 166
Decimal	10795409
CIELab	72.65, -14.52, 17.95
CIELCh	73, 23.083, 128.975
Yxy	44.6348, 0.3261, 0.3854
Android (android.graphics.Color)	4288985489 (0xFFA4B991)
YUV	174.1610, -14.3764, -8.9112
Hunter-Lab	66.8093, -16.0040, 17.1143

Details

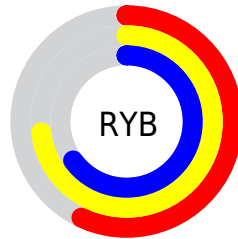
The XYZ color **37.7696, 44.6348, 33.4128** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.6102, 31.8619, 50.2272**, and the grayscale version is **40.3873, 42.4906, 46.2723**.

A 20% lighter version of the original color is **70.9775, 82.0942, 66.1377**, and **16.9537, 20.7554, 13.7023** is the 20% darker color. If you saturate the color by 10%, you get **34.5292, 43.1173, 26.4113**, and if you desaturate by 10%, it is **41.3978, 46.3281, 41.6470**.

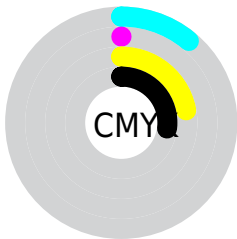
Distribution



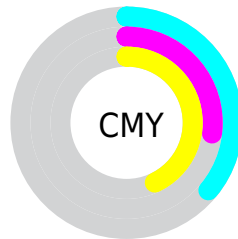
- Red (64%)
- Green (73%)
- Blue (57%)



- Red (57%)
- Yellow (73%)
- Blue (65%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)





- Cyan (36%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7696, 44.6348, 33.4128 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 37.7696, 44.6348, 33.4128 by changing the saturation by 10% instead.


 37.7696, 44.6348,
33.4128


 37.7696, 44.6348,
33.4128


327.9286,
365.2925, 332.1946

 25.9803, 31.1699,
22.1692


 71.0610, 82.1721,
66.1429

 16.9415, 20.7282,
13.7817


 93.2939, 107.0133,
88.4664

 10.2879, 12.9255,
7.8320


119.7387,
136.4153, 115.3204

 5.6540, 7.3773,
3.9014

150.7607,
170.7627, 147.1232

 2.6745, 3.6991,
1.5714

186.7254,
210.4396, 184.2935

 0.9841, 1.5067,
0.2703

227.9980,

 0.0000, 0.2935,

255.8307, 227.2498

0.0000

274.9439,
307.3201, 276.4107

■ 0.0000, 0.0000,
0.0000

■ 37.7696, 44.6348,
33.4128

■ 37.7696, 44.6348,
33.4128

■ 34.5292, 43.1173,
26.4113

■ 41.3978, 46.3281,
41.6470

■ 31.6586, 41.7635,
20.5802

■ 45.4241, 48.1972,
51.1663

■ 29.1431, 40.5687,
15.8563


■ 49.8627, 50.2497,
62.0234


■ 26.9658, 39.5256,
12.1692


■ 54.7260, 52.4908,
74.2676


■ 25.1080, 38.6263,
9.4404


■ 60.0258, 54.9257,
87.9453


 23.5488, 37.8621,
7.5803


 65.6112, 57.4943,
102.2472

 22.2638, 37.2227,
6.4821

 68.6780, 59.0753,
102.3907

 21.3616, 36.7679,
5.9710

 71.9191, 60.7462,
102.5424

 75.3373, 62.5083,
102.7023

Harmonies

Analogous

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



41.2359, 44.6348, 29.9334



37.7696, 44.6348, 33.4128



35.6446, 44.6348, 41.1201

Triad

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



37.7696, 44.6348, 33.4128



39.7250, 44.6348, 72.1863



50.4805, 44.6348, 45.2450

Complementary

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



37.7696, 44.6348, 33.4128



34.6102, 31.8619, 50.2272

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.



50.0129, 44.6348, 56.9354



37.7696, 44.6348, 33.4128



43.6348, 44.6348, 73.7549

Square

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



37.7696, 44.6348, 33.4128



36.7232, 44.6348, 63.8065



47.4460, 44.6348, 67.8062



48.6863, 44.6348, 36.0241

Rectangle

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



37.7696, 44.6348, 33.4128



35.1918, 44.6348, 48.2069



47.4460, 44.6348, 67.8062



50.5849, 44.6348, 48.9947

Sweetspot

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



37.7708, 44.6367, 33.4138



78.0328, 84.7780, 83.7128



38.6959, 39.5118, 32.3758



16.7220, 18.2298, 17.8096



88.6918, 93.3107, 101.6153



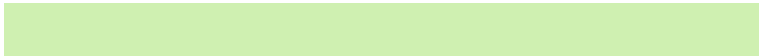
17.8044, 18.7317, 20.3988

Same Dimension

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



37.7708, 44.6367, 33.4138



64.7710, 78.5952, 53.5494



34.1898, 42.7847, 33.5154



9.2851, 10.2636, 9.5986



14.6276, 25.0771, 4.0694



0.5872, 0.9209, 0.1468

Inverse Universe

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



34.6102, 31.8619, 50.2272



58.0877, 51.5838, 89.0997



38.8215, 34.0410, 50.0577



8.9590, 8.9452, 11.3338



9.4141, 4.1643, 31.5607



0.4028, 0.1834, 1.1159

Previews

White Background



This preview shows how the XYZ color 37.7696, 44.6348, 33.4128 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 37.7696, 44.6348, 33.4128 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 37.7696, 44.6348, 33.4128

Background



This preview shows how black text looks on a background with the XYZ color 37.7696, 44.6348, 33.4128.



This preview shows how white text looks on a background with the XYZ color 37.7696, 44.6348,

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

37.7696, 44.6348, 33.4128

Protanopia

41.7891, 44.6126, 31.9998

Deuteranopia

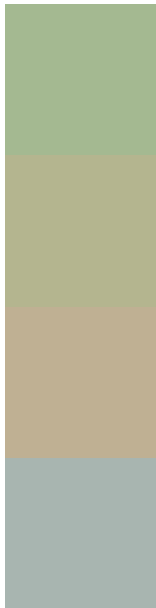
45.3618, 44.3857, 34.1935



Tritanopia

42.5403, 44.7484, 56.8473

Trichromacy



Original Color

37.7696, 44.6348, 33.4128

Protanomaly

40.3042, 44.7342, 32.4969

Deuteranomaly

42.2777, 44.2336, 33.9134

Tritanomaly

40.5088, 44.5072, 47.5300

Monochromacy



Original Color

37.7696, 44.6348, 33.4128

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.1088, 43.0312, 40.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7696, 44.6348, 33.4128 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(164, 185, 145)` looks like.

```
.text, #text, p{  
    color:rgb(164, 185, 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(164, 185, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 185, 145) }
```

Border

The CSS property to change the border of an element to XYZ 37.7696, 44.6348, 33.4128 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(164, 185, 145) }
```


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

```
.border{ border-color:rgb(164, 185, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 185, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 185, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 185, 145);  
box-shadow:4px 4px 4px 4px rgb(164, 185,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7696, 44.6348, 33.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 185, 145) }
```

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

```
.background{ background-color: rgb(164,  
185, 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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