

Converting Colors

XYZ(37.2984, 48.3148, 45.9404)

Have a look what the booklet for
XYZ(37.2984, 48.3148, 45.9404)
contains.

XYZ(37.3763, 48.3968, 45.8997)	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(37.3763, 48.3968,
45.8997)**

Conversions

Conversions Part 1

Format	Color
Hex	86C6AB
RGB	134, 198, 171
RGB Percent	53%, 78%, 67%
CMY	0.4745, 0.2235, 0.3294
CMYK	0.32, 0.00, 0.14, 0.22
HSL	155°, 36%, 65%
HSV	155°, 32%, 78%
XYZ	37.3763, 48.3968, 45.8997
YIQ	175.7860, -29.4770, -21.9650

Conversions

Conversions Part 2

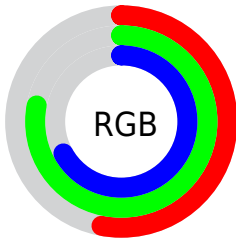
Format	Color
RYB	134, 175, 198
Decimal	8832683
CIELab	75.07, -26.25, 7.06
CIElCh	75, 27.180, 164.937
Yxy	48.3968, 0.2839, 0.3676
Android (android.graphics.Color)	4287022763 (0xFF86C6AB)
YUV	175.7860, -2.3595, -36.6463
Hunter-Lab	69.5678, -25.8420, 9.5789

Details

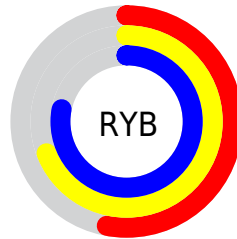
The XYZ color **37.3763, 48.3968, 45.8997** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2485, 31.6304, 37.8095**, and the grayscale version is **41.1794, 43.3239, 47.1797**.

A 20% lighter version of the original color is **70.4737, 87.8298, 85.1900**, and **16.7827, 23.0723, 21.0216** is the 20% darker color. If you saturate the color by 10%, you get **33.7400, 46.6126, 41.7040**, and if you desaturate by 10%, it is **41.6565, 50.5097, 50.3903**.

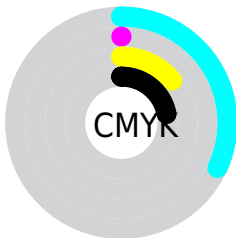
Distribution



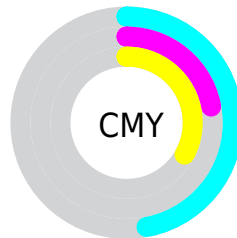
- Red (53%)
- Green (78%)
- Blue (67%)



- Red (53%)
- Yellow (69%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





- Cyan (47%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3763, 48.3968, 45.8997 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 37.3763, 48.3968, 45.8997 by changing the saturation by 10% instead.


 37.3763, 48.3968,
45.8997


 37.3763, 48.3968,
45.8997


326.2641,
380.3628, 386.6711


 25.6740, 34.1412,
31.8186


 70.4612, 87.7949,
85.4016

 16.7113, 23.0021,
20.9593


 92.5746, 113.7062,
111.6594

 10.1229, 14.5951,
12.9033


 118.8890,
144.2716, 142.8132

 5.5434, 8.5357,
7.2320

149.7698,
179.8754, 179.2816

 2.6075, 4.4396,
3.5270

185.5823,
220.9020, 221.4830

 0.9498, 1.9224,
1.3696

226.6920,

 0.0000, 0.5618,

267.7359, 269.8361

0.1179

273.4642,
320.7613, 324.7592

■ 0.0000, 0.0000,
0.0000

■ 37.3763, 48.3968,
45.8997

■ 37.3763, 48.3968,
45.8997

■ 33.7400, 46.6126,
41.7040

■ 41.6565, 50.5097,
50.3903

■ 30.7096, 45.1338,
37.7936

■ 46.6079, 52.9614,
55.1788

■ 28.2492, 43.9432,
34.1629


■ 52.2612, 55.7688,
60.2721


■ 26.3172, 43.0196,
30.8047


■ 58.6437, 58.9462,
65.6759


■ 24.8661, 42.3385,
27.7117


■ 65.7816, 62.5067,
71.3960


 23.8390, 41.8707,
24.8758

 73.6994, 66.4630,
77.4375

 23.2589, 41.6155,
22.8659

 75.6447, 67.3338,
83.4888

 76.8428, 67.8131,
89.7983

 78.0980, 68.3152,
96.4078

Harmonies

Analogous

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



39.5755, 48.3968, 35.6018



37.3763, 48.3968, 45.8997



37.3716, 48.3968, 60.0688

Triad

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



37.3763, 48.3968, 45.8997



48.5068, 48.3968, 83.8039



53.1003, 48.3968, 35.6344

Complementary

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



37.3763, 48.3968, 45.8997



38.2485, 31.6304, 37.8095

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.



55.8630, 48.3968, 45.9524



37.3763, 48.3968, 45.8997



53.0840, 48.3968, 74.5369

Square

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



37.3763, 48.3968, 45.8997



43.5611, 48.3968, 83.7828



55.8569, 48.3968, 60.1319



48.5277, 48.3968, 30.4424

Rectangle

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



37.3763, 48.3968, 45.8997



38.6031, 48.3968, 69.9717



55.8569, 48.3968, 60.1319



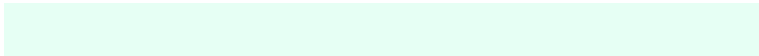
54.2855, 48.3968, 38.5270

Sweetspot

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



37.3776, 48.3988, 45.9008



84.5987, 94.8067, 99.6211



39.3449, 49.7650, 30.0869



17.8156, 20.1477, 21.0535



0.0000, 0.0000, 0.0000



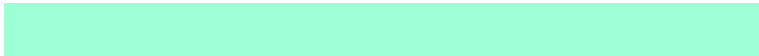
20.3446, 21.4041, 23.3091

Same Dimension

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



37.3776, 48.3988, 45.9008



61.3990, 83.3494, 75.8309



39.2586, 47.6125, 60.5494



10.7502, 11.9890, 12.6347



15.1687, 27.0799, 15.0988



0.7539, 1.2965, 0.9025

Inverse Universe

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



38.2485, 31.6304, 37.8095



63.1894, 48.9407, 59.2449



36.7200, 31.9817, 26.7927



10.8164, 10.7100, 12.0166



16.2149, 8.2355, 6.3414



0.8038, 0.4044, 0.4899

Previews

White Background



This preview shows how the XYZ color 37.3763, 48.3968, 45.8997 looks on a white background.

Color Contrast Check

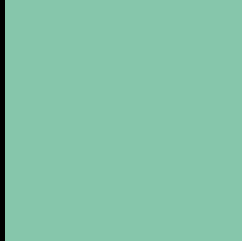
Large Text (above 18pt) WCAG AA × Fail

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 37.3763, 48.3968, 45.8997 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

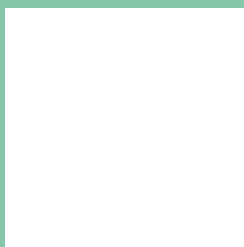
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3763, 48.3968, 45.8997

Background



This preview shows how black text looks on a background with the XYZ color 37.3763, 48.3968, 45.8997.



This preview shows how white text looks on a background with the XYZ color 37.3763, 48.3968,

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

37.3763, 48.3968, 45.8997

Protanopia

45.4896, 48.1318, 41.5431

Deuteranopia

48.8351, 47.9151, 47.2321



Tritanopia

41.6105, 48.4448, 66.8322

Trichromacy



Original Color

37.3763, 48.3968, 45.8997

Protanomaly

41.8751, 47.8063, 43.0969

Deuteranomaly

43.5793, 47.3376, 46.8846

Tritanomaly

40.0129, 48.4593, 58.8744

Monochromacy



Original Color

37.3763, 48.3968, 45.8997

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.4784, 44.9140, 46.6329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3763, 48.3968, 45.8997 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(134, 198, 171)` looks like.

```
.text, #text, p{  
    color:rgb(134, 198, 171)  
}
```

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(134, 198, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 198, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.3763, 48.3968, 45.8997 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(134, 198, 171) }
```


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

```
.border{ border-color:rgb(134, 198, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 198, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 198, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 198, 171);  
box-shadow:4px 4px 4px 4px rgb(134, 198,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3763, 48.3968, 45.8997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 198, 171) }
```

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

```
.background{ background-color: rgb(134,  
198, 171) }
```

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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