

Converting Colors

XYZ(37.8104, 45.0652, 36.9267)

Have a look what the booklet for
XYZ(37.8104, 45.0652, 36.9267)
contains.

XYZ(37.8182, 45.2115, 36.8705)	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(37.8182, 45.2115,
36.8705)**

Conversions

Conversions Part 1

Format	Color
Hex	9FBB99
RGB	159, 187, 153
RGB Percent	62%, 73%, 60%
CMY	0.3765, 0.2667, 0.4000
CMYK	0.15, 0.00, 0.18, 0.27
HSL	109°, 20%, 67%
HSV	109°, 18%, 73%
XYZ	37.8182, 45.2115, 36.8705
YIQ	174.7520, -5.7740, -16.5100

Conversions

Conversions Part 2

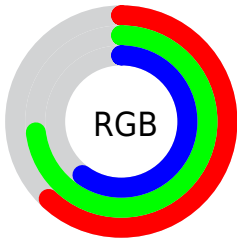
Format	Color
R_{YB}	153, 187, 181
Decimal	10468249
CIE _{Lab}	73.03, -16.00, 14.10
CIE _{LCh}	73, 21.326, 138.613
Yxy	45.2115, 0.3154, 0.3771
Android (android.graphics.Color)	4288658329 (0xFF9FBB99)
YUV	174.7520, -10.7237, -13.8145
Hunter-Lab	67.2395, -17.2735, 14.5562

Details

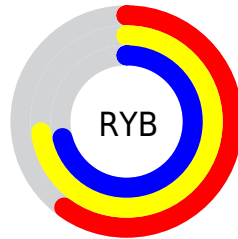
The XYZ color **37.8182, 45.2115, 36.8705** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.4188, 36.1954, 51.9249**, and the grayscale version is **40.6762, 42.7945, 46.6032**.

A 20% lighter version of the original color is **71.0446, 82.9023, 71.2888**, and **16.9868, 21.1353, 15.7546** is the 20% darker color. If you saturate the color by 10%, you get **33.5272, 43.1654, 29.2293**, and if you desaturate by 10%, it is **42.7343, 47.5545, 45.8065**.

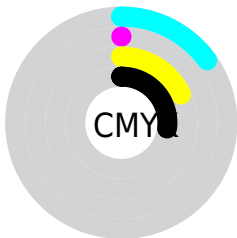
Distribution



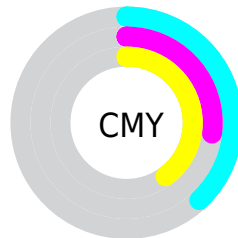
- Red (62%)
- Green (73%)
- Blue (60%)



- Red (60%)
- Yellow (73%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (38%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8182, 45.2115, 36.8705 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 37.8182, 45.2115, 36.8705 by changing the saturation by 10% instead.

■ 37.8182, 45.2115,
36.8705

■ 37.8182, 45.2115,
36.8705

328.1338,
367.6295, 347.9013

■ 26.0182, 31.6240,
24.8122

■ 71.1351, 83.0377,
71.5577

■ 16.9700, 21.0745,
15.7195

■ 93.3827, 108.0452,
95.0237

■ 10.3083, 13.1785,
9.1737

119.8435,
137.6283, 123.1293

■ 5.6677, 7.5516,
4.7563

150.8830,
172.1712, 156.2931

■ 2.6828, 3.8094,
2.0488

186.8664,
212.0583, 194.9337

■ 0.9883, 1.5675,
0.5850

228.1591,

■ 0.0000, 0.3355,

257.6742, 239.4696

0.0000

275.1264,
309.4031, 290.3193

■ 0.0000, 0.0000,
0.0000

■ 37.8182, 45.2115,
36.8705

■ 37.8182, 45.2115,
36.8705

■ 33.5272, 43.1654,
29.2293

■ 42.7343, 47.5545,
45.8065

■ 29.8325, 41.3988,
22.8199

■ 48.2956, 50.1996,
56.0902

■ 26.7084, 39.9010,
17.5789

■ 54.5257, 53.1591,
67.7754

■ 24.1258, 38.6586,
13.4357

■ 61.4461, 56.4431,
80.9118

■ 22.0530, 37.6571,
10.3122

■ 69.0772, 60.0611,
95.5469

■ 20.4551, 36.8802,
8.1200

■ 75.7516, 63.3473,
102.8424

■ 19.2921, 36.3096,
6.7557

■ 77.0612, 64.0224,
102.9037

■ 18.5102, 35.9212,
6.0555

■ 18.3983, 35.8657,
5.9531

Harmonies

Analogous

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



40.7259, 45.2115, 32.2310



37.8182, 45.2115, 36.8705



36.3247, 45.2115, 45.2869

Triad

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



37.8182, 45.2115, 36.8705



41.5732, 45.2115, 72.2050



50.1254, 45.2115, 42.9651

Complementary

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



37.8182, 45.2115, 36.8705



39.4188, 36.1954, 51.9249

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.



50.3848, 45.2115, 53.3906



37.8182, 45.2115, 36.8705



45.2996, 45.2115, 71.3444

Square

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



37.8182, 45.2115, 36.8705



38.4076, 45.2115, 66.2814



48.5743, 45.2115, 64.0767



47.8848, 45.2115, 35.3829

Rectangle

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



37.8182, 45.2115, 36.8705



36.2709, 45.2115, 52.3647



48.5743, 45.2115, 64.0767



50.4518, 45.2115, 46.2184

Sweetspot

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



37.8194, 45.2134, 36.8715



79.4968, 86.5759, 87.4851



42.7217, 45.8197, 36.7301



17.3558, 18.9938, 18.9880



90.7827, 95.5105, 104.0109



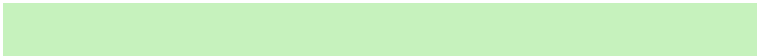
18.6292, 19.5994, 21.3438

Same Dimension

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



37.8194, 45.2134, 36.8715



64.3903, 79.3799, 60.0466



37.5884, 44.9869, 41.7150



9.5616, 10.7284, 10.1435



12.7199, 24.7332, 4.1036



0.5472, 0.9940, 0.1630

Inverse Universe

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



39.4188, 36.1954, 51.9249



67.8068, 60.0995, 92.2280



39.7460, 36.4923, 46.1461



9.7603, 9.6088, 12.0125



15.4176, 7.2341, 32.9766



0.6480, 0.3061, 1.2938

Previews

White Background



This preview shows how the XYZ color 37.8182, 45.2115, 36.8705 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 37.8182, 45.2115, 36.8705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

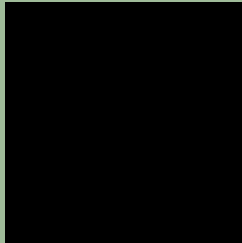
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8182, 45.2115, 36.8705

Background



This preview shows how black text looks on a background with the XYZ color 37.8182, 45.2115, 36.8705.



This preview shows how white text looks on a background with the XYZ color 37.8182, 45.2115,

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

37.8182, 45.2115, 36.8705

Protanopia

42.3315, 44.8295, 34.8556

Deuteranopia

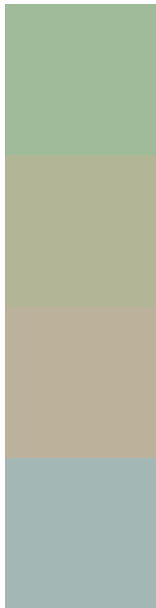
45.6551, 44.7427, 37.6824



Tritanopia

42.2136, 45.1403, 58.7126

Trichromacy



Original Color

37.8182, 45.2115, 36.8705

Protanomaly

40.3890, 44.7147, 35.3562

Deuteranomaly

42.3776, 44.5022, 37.3666

Tritanomaly

40.2760, 44.9488, 49.7332

Monochromacy



Original Color

37.8182, 45.2115, 36.8705

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.4573, 43.4652, 42.8692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8182, 45.2115, 36.8705 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(159, 187, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 187, 153)  
}
```

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(159, 187, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 187, 153) }
```

Border

The CSS property to change the border of an element to XYZ 37.8182, 45.2115, 36.8705 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(159, 187, 153) }
```


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

```
.border{ border-color:rgb(159, 187, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 187, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 187, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 187, 153);  
box-shadow:4px 4px 4px 4px rgb(159, 187,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8182, 45.2115, 36.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 187, 153) }
```

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

```
.background{ background-color: rgb(159,  
187, 153) }
```

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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