

Converting Colors

XYZ(37.6943, 45.4347, 38.2356)

Have a look what the booklet for
XYZ(37.6943, 45.4347, 38.2356)
contains.

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Color

**XYZ(37.6943, 45.4347,
38.2356)**

Conversions

Conversions Part 1

Format	Color
Hex	9CBC9C
RGB	156, 188, 156
RGB Percent	61%, 74%, 61%
CMY	0.3882, 0.2627, 0.3882
CMYK	0.17, 0.00, 0.17, 0.26
HSL	120°, 19%, 67%
HSV	120°, 17%, 74%
XYZ	37.6943, 45.4347, 38.2356
YIQ	174.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

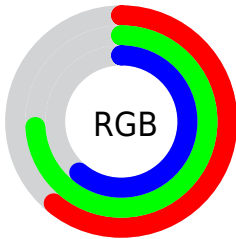
Format	Color
RYB	156, 188, 188
Decimal	10271900
CIELab	73.18, -17.03, 12.65
CIELCh	73, 21.217, 143.395
Yxy	45.4347, 0.3106, 0.3744
Android (android.graphics.Color)	4288461980 (0xFF9CBC9C)
YUV	174.7840, -9.2605, -16.4736
Hunter-Lab	67.4053, -18.1386, 13.5515

Details

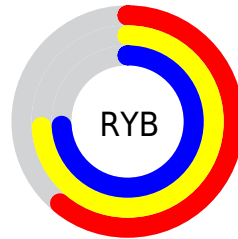
The XYZ color **37.6943, 45.4347, 38.2356** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7062, 38.1002, 52.7349**, and the grayscale version is **40.6865, 42.8054, 46.6151**.

A 20% lighter version of the original color is **70.9725, 83.2534, 73.9569**, and **16.9227, 21.2909, 16.5822** is the 20% darker color. If you saturate the color by 10%, you get **32.8634, 43.1155, 30.3328**, and if you desaturate by 10%, it is **43.3372, 48.1466, 47.4645**.

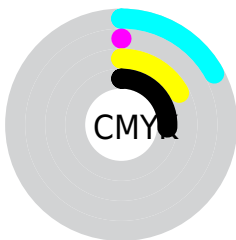
Distribution



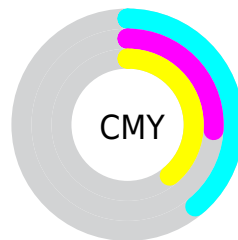
- Red (61%)
- Green (74%)
- Blue (61%)



- Red (61%)
- Yellow (74%)
- Blue (74%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (26%)



- Cyan (39%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6943, 45.4347, 38.2356 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 37.6943, 45.4347, 38.2356 by changing the saturation by 10% instead.

■ 37.6943, 45.4347,
38.2356

■ 37.6943, 45.4347,
38.2356

327.6104,
368.5313, 353.9580

■ 25.9216, 31.8000,
25.8623

■ 70.9463, 83.3723,
73.6765

■ 16.8974, 21.2088,
16.4958

■ 93.1563, 108.4440,
97.5813

■ 10.2562, 13.2767,
9.7176

119.5761,
138.0968, 126.1670

■ 5.6327, 7.6193,
5.1090

150.5712,
172.7151, 159.8521

■ 2.6616, 3.8524,
2.2515

186.5068,
212.6833, 199.0552

■ 0.9774, 1.5913,
0.7038

227.7483,

■ 0.0000, 0.3517,

258.3858, 244.1949

0.0000

274.6610,
310.2070, 295.6896

■ 0.0000, 0.0000,
0.0000

■ 37.6943, 45.4347,
38.2356

■ 37.6943, 45.4347,
38.2356

■ 32.8634, 43.1155,
30.3328

■ 43.3372, 48.1466,
47.4645

■ 28.8037, 41.1655,
23.6925

■ 49.8232, 51.2622,
58.0734

■ 25.4765, 39.5672,
18.2502

■ 57.1861, 54.7990,
70.1167

■ 22.8381, 38.2998,
13.9345

■ 65.4570, 58.7719,
83.6451

■ 20.8402, 37.3402,
10.6666

■ 74.6653, 63.1951,
98.7068

■ 19.4285, 36.6620,
8.3574

■ 77.2741, 64.4483,
102.9747

■ 18.5394, 36.2350,
6.9031

■ 18.0849, 36.0166,
6.1596

■ 17.9841, 35.9683,
5.9948

Harmonies

Analogous

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



40.4067, 45.4347, 32.9541



37.6943, 45.4347, 38.2356



36.4631, 45.4347, 47.1520

Triad

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



37.6943, 45.4347, 38.2356



42.3669, 45.4347, 72.7312



50.0857, 45.4347, 41.7762

Complementary

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



37.6943, 45.4347, 38.2356



41.7062, 38.1002, 52.7349

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.



50.6846, 45.4347, 51.8642



37.6943, 45.4347, 38.2356



46.0864, 45.4347, 70.7484

Square

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



37.6943, 45.4347, 38.2356



39.0589, 45.4347, 67.7999



49.1831, 45.4347, 62.7156



47.5904, 45.4347, 34.7839

Rectangle

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



37.6943, 45.4347, 38.2356



36.5946, 45.4347, 54.3683



49.1831, 45.4347, 62.7156



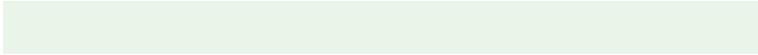
50.5212, 45.4347, 44.8764

Sweetspot

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



37.6955, 45.4366, 38.2366



80.6979, 88.2916, 89.5506



44.7251, 49.0605, 38.5653



17.1841, 18.9052, 18.9800



90.7827, 95.5105, 104.0109



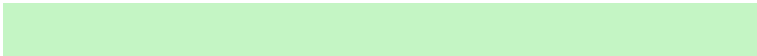
18.6292, 19.5994, 21.3438

Same Dimension

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



37.6955, 45.4366, 38.2366



65.2610, 80.8765, 64.3007



39.1413, 46.0149, 45.8499



9.4088, 10.6496, 10.1364



12.2439, 24.4879, 4.0814



0.4796, 0.9592, 0.1599

Inverse Universe

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



41.7062, 38.1002, 52.7349



73.7411, 65.3645, 94.9556



40.0754, 37.4479, 44.1470



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2039



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 37.6943, 45.4347, 38.2356 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 37.6943, 45.4347, 38.2356 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

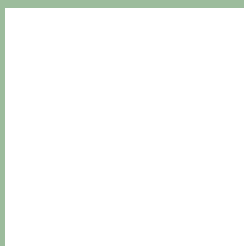
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6943, 45.4347, 38.2356

Background



This preview shows how black text looks on a background with the XYZ color 37.6943, 45.4347, 38.2356.



This preview shows how white text looks on a background with the XYZ color 37.6943, 45.4347,

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

37.6943, 45.4347, 38.2356

Protanopia

42.6923, 45.2934, 35.7705

Deuteranopia

46.1034, 45.2277, 39.1008



Tritanopia

41.9102, 45.2736, 59.3531

Trichromacy



Original Color

37.6943, 45.4347, 38.2356

Protanomaly

40.6092, 45.1029, 36.7024

Deuteranomaly

42.5855, 44.8742, 38.7648

Tritanomaly

40.0812, 45.1320, 50.8548

Monochromacy



Original Color

37.6943, 45.4347, 38.2356

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.5376, 43.7945, 43.4151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6943, 45.4347, 38.2356 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(156, 188, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 188, 156)  
}
```

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(156, 188, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 188, 156) }
```

Border

The CSS property to change the border of an element to XYZ 37.6943, 45.4347, 38.2356 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(156, 188, 156) }
```


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

```
.border{ border-color:rgb(156, 188, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 188, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 188, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 188, 156);  
box-shadow:4px 4px 4px 4px rgb(156, 188,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6943, 45.4347, 38.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 188, 156) }
```

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

```
.background{ background-color: rgb(156,  
188, 156) }
```

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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