

Converting Colors

XYZ(36.4916, 45.4695, 42.6479)

Have a look what the booklet for
XYZ(36.4916, 45.4695, 42.6479)
contains.

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Color

**XYZ(36.3603, 45.2943,
42.4236)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBEA5
RGB	142, 190, 165
RGB Percent	56%, 75%, 65%
CMY	0.4431, 0.2549, 0.3529
CMYK	0.25, 0.00, 0.13, 0.25
HSL	149°, 27%, 65%
HSV	149°, 25%, 75%
XYZ	36.3603, 45.2943, 42.4236
YIQ	172.7980, -20.5830, -17.9510

Conversions

Conversions Part 2

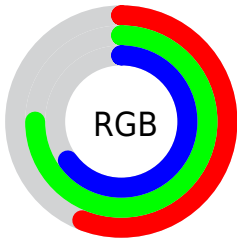
Format	Color
RYB	142, 174, 190
Decimal	9354917
CIELab	73.09, -21.02, 7.52
CIElCh	73, 22.326, 160.319
Yxy	45.2943, 0.2930, 0.3650
Android (android.graphics.Color)	4287544997 (0xFF8EBEA5)
YUV	172.7980, -3.8444, -27.0098
Hunter-Lab	67.3010, -21.3398, 9.7369

Details

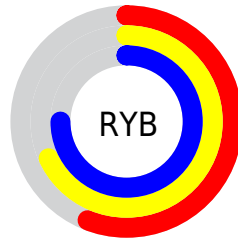
The XYZ color **36.3603, 45.2943, 42.4236** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.8848, 33.0842, 40.9502**, and the grayscale version is **39.6450, 41.7097, 45.4218**.

A 20% lighter version of the original color is **68.9000, 82.9492, 80.0895**, and **16.0012, 20.9742, 18.8279** is the 20% darker color. If you saturate the color by 10%, you get **32.5081, 43.4097, 37.7222**, and if you desaturate by 10%, it is **40.8405, 47.4970, 47.5202**.

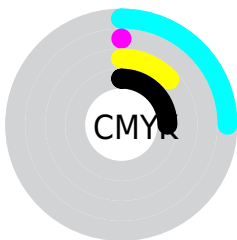
Distribution



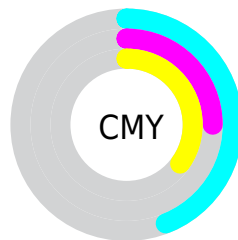
- Red (56%)
- Green (75%)
- Blue (65%)



- Red (56%)
- Yellow (68%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)





- Cyan (44%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3603, 45.2943, 42.4236 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 36.3603, 45.2943, 42.4236 by changing the saturation by 10% instead.


 36.3603, 45.2943,
42.4236


 36.3603, 45.2943,
42.4236


321.9365,
367.9642, 372.0873

 24.8840, 31.6893,
29.1051


 68.9081, 83.1619,
80.1173

 16.1189, 21.1243,
18.9141


 90.7102, 108.1932,
105.3296

 9.6997, 13.2149,
11.4320


116.6850,
137.8021, 135.3436

 5.2611, 7.5767,
6.2404

147.1979,
172.3730, 170.5777

 2.4376, 3.8253,
2.9207

182.6141,
212.2903, 211.4506

 0.8639, 1.5763,
1.0543

223.2990,

 0.0000, 0.3416,

257.9383, 258.3808

0.0000

269.6180,
309.7015, 311.7869

■ 0.0000, 0.0000,
0.0000

■ 36.3603, 45.2943,
42.4236

■ 36.3603, 45.2943,
42.4236

■ 32.5081, 43.4097,
37.7222

■ 40.8405, 47.4970,
47.5202

■ 29.2502, 41.8225,
33.4034

■ 45.9725, 50.0263,
53.0183

■ 26.5558, 40.5180,
29.4582

■ 51.7836, 52.8972,
58.9276

■ 24.3893, 39.4782,
25.8761

■ 58.2983, 56.1224,
65.2569

■ 22.7110, 38.6827,
22.6462

■ 65.5400, 59.7135,
72.0144

■ 21.4751, 38.1082,
19.7568

■ 73.1605, 63.4911,
79.1908

■ 20.6257, 37.7262,
17.1951

■ 74.5454, 64.0450,
86.4836

■ 20.3043, 37.5846,
16.0908

■ 76.0098, 64.6308,
94.1948

■ 77.5549, 65.2488,
102.3313

Harmonies

Analogous

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



38.3726, 45.2943, 34.6705



36.3603, 45.2943, 42.4236



36.0776, 45.2943, 53.2712

Triad

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



36.3603, 45.2943, 42.4236



44.4100, 45.2943, 73.6460



49.0340, 45.2943, 36.6703

Complementary

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



36.3603, 45.2943, 42.4236



37.8848, 33.0842, 40.9502

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.



50.8694, 45.2943, 45.5650



36.3603, 45.2943, 42.4236



48.0948, 45.2943, 67.5997

Square

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



36.3603, 45.2943, 42.4236



40.5710, 45.2943, 72.4654



50.5156, 45.2943, 56.9211



45.6298, 45.2943, 31.7132

Rectangle

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



36.3603, 45.2943, 42.4236



36.8885, 45.2943, 60.9903



50.5156, 45.2943, 56.9211



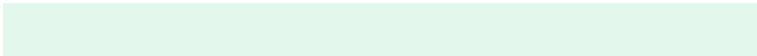
49.8639, 45.2943, 39.2385

Sweetspot

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



36.3615, 45.2962, 42.4246



80.5164, 89.2752, 93.1421



39.3609, 47.0629, 32.6013



17.3638, 19.4478, 20.1162



92.9021, 97.7402, 106.4391



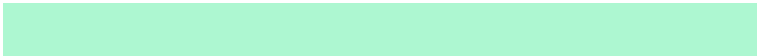
19.4759, 20.4902, 22.3138

Same Dimension

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



36.3615, 45.2962, 42.4246



62.1051, 80.2252, 72.3387



38.6906, 46.2278, 54.6892



9.5940, 10.7237, 11.1116



13.5398, 25.0062, 10.9055



0.5634, 0.9927, 0.6013

Inverse Universe

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



37.8848, 33.0842, 40.9502



65.3106, 54.5238, 69.2339



35.9130, 32.2955, 30.5670



9.7321, 9.6171, 10.9782



15.6565, 7.8937, 8.7506



0.6462, 0.3224, 0.5160

Previews

White Background



This preview shows how the XYZ color 36.3603, 45.2943, 42.4236 looks on a white background.

Color Contrast Check

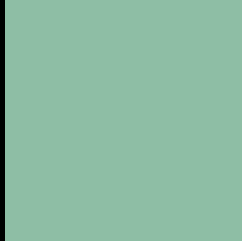
Large Text (above 18pt) WCAG AA × Fail

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 36.3603, 45.2943, 42.4236 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

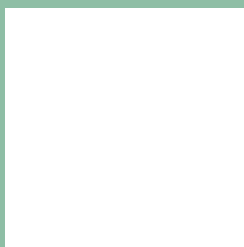
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3603, 45.2943, 42.4236

Background



This preview shows how black text looks on a background with the XYZ color 36.3603, 45.2943, 42.4236.

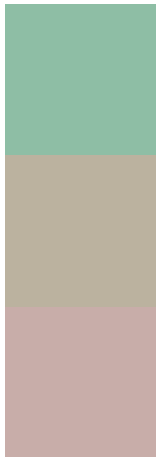


This preview shows how white text looks on a background with the XYZ color 36.3603, 45.2943,

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

36.3603, 45.2943, 42.4236

Protanopia

42.6719, 44.9088, 39.2201

Deuteranopia

45.9244, 45.0311, 43.8075



Tritanopia

40.1687, 45.2576, 61.2621

Trichromacy



Original Color

36.3603, 45.2943, 42.4236

Protanomaly

39.9556, 44.6870, 40.2378

Deuteranomaly

41.7784, 44.6511, 43.4623

Tritanomaly

38.5940, 45.2395, 53.7117

Monochromacy



Original Color

36.3603, 45.2943, 42.4236

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.2761, 42.8239, 44.2787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3603, 45.2943, 42.4236 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(142, 190, 165)` looks like.

```
.text, #text, p{  
    color:rgb(142, 190, 165)  
}
```

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(142, 190, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 190, 165) }
```

Border

The CSS property to change the border of an element to XYZ 36.3603, 45.2943, 42.4236 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(142, 190, 165) }
```


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

```
.border{ border-color:rgb(142, 190, 165) }
```

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

Here you see how a box with a 4 pixel rgb(142, 190, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 190, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 190, 165);  
box-shadow:4px 4px 4px 4px rgb(142, 190,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3603, 45.2943, 42.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 190, 165) }
```

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

```
.background{ background-color: rgb(142,  
190, 165) }
```

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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