

Converting Colors

XYZ(36.8973, 46.0523, 39.0797)

Have a look what the booklet for
XYZ(36.8973, 46.0523, 39.0797)
contains.

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Color

**XYZ(36.8350, 45.9333,
39.2724)**

Conversions

Conversions Part 1

Format	Color
Hex	93BF9E
RGB	147, 191, 158
RGB Percent	58%, 75%, 62%
CMY	0.4235, 0.2510, 0.3804
CMYK	0.23, 0.00, 0.17, 0.25
HSL	135°, 26%, 66%
HSV	135°, 23%, 75%
XYZ	36.8350, 45.9333, 39.2724
YIQ	174.0820, -15.6310, -19.5910

Conversions

Conversions Part 2

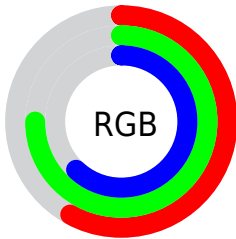
Format	Color
RYB	147, 182, 191
Decimal	9682846
CIELab	73.50, -21.25, 11.95
CIELCh	74, 24.376, 150.648
Yxy	45.9333, 0.3018, 0.3764
Android (android.graphics.Color)	4287872926 (0xFF93BF9E)
YUV	174.0820, -7.9284, -23.7509
Hunter-Lab	67.7741, -21.5905, 13.0857

Details

The XYZ color **36.8350, 45.9333, 39.2724** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.1594, 35.2402, 47.8674**, and the grayscale version is **40.3205, 42.4203, 46.1957**.

A 20% lighter version of the original color is **69.9348, 84.4955, 75.5741**, and **16.3188, 21.3858, 17.1777** is the 20% darker color. If you saturate the color by 10%, you get **32.5282, 43.8486, 33.0052**, and if you desaturate by 10%, it is **41.8568, 48.3725, 46.3254**.

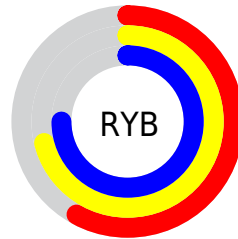
Distribution



Red (58%)

Green (75%)

Blue (62%)



Red (58%)

Yellow (71%)

Blue (75%)

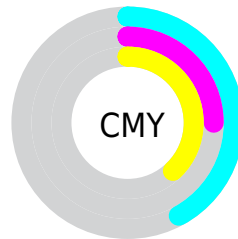


Cyan (23%)

Magenta (0%)

Yellow (17%)

Black (25%)



Cyan (42%)


Magenta (25%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8350, 45.9333, 39.2724 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 36.8350, 45.9333, 39.2724 by changing the saturation by 10% instead.


 36.8350, 45.9333,
39.2724


 36.8350, 45.9333,
39.2724


323.9636,
370.5404, 358.5077

 25.2529, 32.1932,
26.6622


 69.6344, 84.1192,
75.2792

 16.3953, 21.5091,
17.0895


 91.5824, 109.3337,
99.5129

 9.8969, 13.4966,
10.1357


117.7164,
139.1419, 128.4582

 5.3924, 7.7714,
5.3823

148.4017,
173.9280, 162.5337

 2.5164, 3.9490,
2.4106

184.0037,
214.0765, 202.1578

 0.9035, 1.6451,
0.7922

224.8878,

 0.0000, 0.3877,

259.9719, 247.7492

0.0000

271.4193,
311.9984, 299.7263

■ 0.0000, 0.0000,
0.0000

■ 36.8350, 45.9333,
39.2724

■ 36.8350, 45.9333,
39.2724

■ 32.5282, 43.8486,
33.0052

■ 41.8568, 48.3725,
46.3254

■ 28.8997, 42.0963,
27.4936

■ 47.6205, 51.1758,
54.1870

■ 25.9150, 40.6604,
22.7097

■ 54.1566, 54.3596,
62.8828

■ 23.5352, 39.5216,
18.6230

■ 61.4922, 57.9374,
72.4366

■ 21.7171, 38.6582,
15.2006

■ 69.6535, 61.9222,
82.8710

■ 20.4111, 38.0454,
12.4070

■ 76.1939, 65.0523,
94.0921

■ 19.5588, 37.6539,
10.2033

■ 77.9217, 65.7434,
103.1906

■ 19.1600, 37.4747,
8.9928

Harmonies

Analogous

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



39.5741, 45.9333, 32.2689



36.8350, 45.9333, 39.2724



35.8950, 45.9333, 50.2820

Triad

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



36.8350, 45.9333, 39.2724



43.7519, 45.9333, 77.6530



51.1719, 45.9333, 38.8786

Complementary

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



36.8350, 45.9333, 39.2724



40.1594, 35.2402, 47.8674

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.



52.4671, 45.9333, 49.7460



36.8350, 45.9333, 39.2724



48.0141, 45.9333, 73.3000

Square

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



36.8350, 45.9333, 39.2724



39.7261, 45.9333, 73.6464



51.2760, 45.9333, 62.5538



47.8416, 45.9333, 32.0693

Rectangle

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



36.8350, 45.9333, 39.2724



36.3631, 45.9333, 58.8451



51.2760, 45.9333, 62.5538



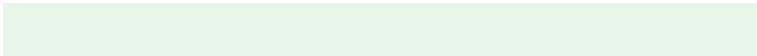
51.8691, 45.9333, 42.1130

Sweetspot

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



36.8362, 45.9352, 39.2734



80.9161, 89.5261, 91.1319



42.8926, 49.1620, 34.8328



17.6291, 19.5913, 19.8219



92.9021, 97.7402, 106.4391



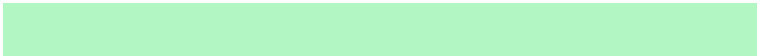
19.4759, 20.4902, 22.3138

Same Dimension

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



36.8362, 45.9352, 39.2734



61.6454, 80.1702, 64.0961



38.8286, 46.7322, 49.7649



9.5040, 10.6877, 10.6376



12.6189, 24.6378, 6.0558



0.5215, 0.9760, 0.3806

Inverse Universe

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



40.1594, 35.2402, 47.8674



68.7080, 57.4305, 82.3533



38.1559, 34.4388, 37.3169



9.8253, 9.6544, 11.4689



17.4246, 8.6010, 18.0613



0.7073, 0.3468, 0.8377

Previews

White Background



This preview shows how the XYZ color 36.8350, 45.9333, 39.2724 looks on a white background.

Color Contrast Check

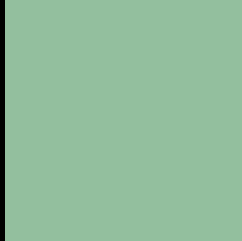
Large Text (above 18pt) WCAG AA × Fail

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 36.8350, 45.9333, 39.2724 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

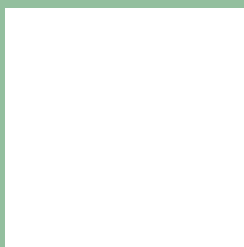
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8350, 45.9333, 39.2724

Background



This preview shows how black text looks on a background with the XYZ color 36.8350, 45.9333, 39.2724.



This preview shows how white text looks on a background with the XYZ color 36.8350, 45.9333,

39.2724.

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

36.8350, 45.9333, 39.2724

Protanopia

43.2240, 45.8567, 36.2788

Deuteranopia

46.5595, 45.7181, 40.5529



Tritanopia

41.2919, 45.8366, 61.3146

Trichromacy



Original Color

36.8350, 45.9333, 39.2724

Protanomaly

40.4288, 45.6127, 37.2452

Deuteranomaly

42.2827, 45.2830, 40.2302

Tritanomaly

39.4762, 45.7188, 52.6429

Monochromacy



Original Color

36.8350, 45.9333, 39.2724

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6990, 43.3622, 43.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8350, 45.9333, 39.2724 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(147, 191, 158)` looks like.

```
.text, #text, p{  
    color:rgb(147, 191, 158)  
}
```

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(147, 191, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 191, 158) }
```

Border

The CSS property to change the border of an element to XYZ 36.8350, 45.9333, 39.2724 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(147, 191, 158) }
```


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

```
.border{ border-color:rgb(147, 191, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 191, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 191, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 191, 158);  
box-shadow:4px 4px 4px 4px rgb(147, 191,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8350, 45.9333, 39.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 191, 158) }
```

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

```
.background{ background-color: rgb(147,  
191, 158) }
```

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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