

Converting Colors

XYZ(35.5321, 45.2913, 33.8794)

Have a look what the booklet for
XYZ(35.5321, 45.2913, 33.8794)
contains.

XYZ(35.6732, 45.4479, 34.0863)	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(35.6732, 45.4479,
34.0863)**

Conversions

Conversions Part 1

Format	Color
Hex	92BF92
RGB	146, 191, 146
RGB Percent	57%, 75%, 57%
CMY	0.4274, 0.2510, 0.4274
CMYK	0.24, 0.00, 0.24, 0.25
HSL	120°, 26%, 66%
HSV	120°, 24%, 75%
XYZ	35.6732, 45.4479, 34.0863
YIQ	172.4150, -12.3750, -23.5350

Conversions

Conversions Part 2

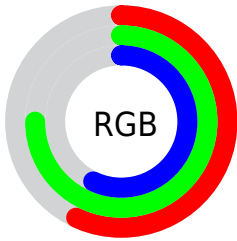
Format	Color
RYB	146, 191, 191
Decimal	9617298
CIELab	73.19, -23.76, 17.97
CIELCh	73, 29.786, 142.899
Yxy	45.4479, 0.3096, 0.3945
Android (android.graphics.Color)	4287807378 (0xFF92BF92)
YUV	172.4150, -13.0226, -23.1660
Hunter-Lab	67.4151, -23.5217, 17.2124

Details

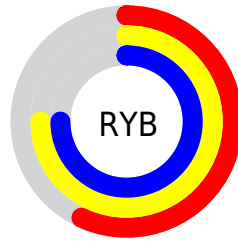
The XYZ color **35.6732, 45.4479, 34.0863** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.1703, 35.3968, 53.9546**, and the grayscale version is **39.4925, 41.5492, 45.2470**.

A 20% lighter version of the original color is **68.0801, 83.7224, 67.2154**, and **15.6273, 21.0972, 14.0750** is the 20% darker color. If you saturate the color by 10%, you get **31.1937, 43.2975, 26.7582**, and if you desaturate by 10%, it is **40.9707, 47.9939, 42.7503**.

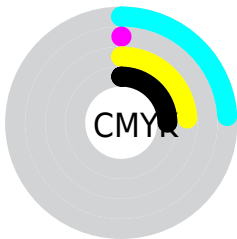
Distribution



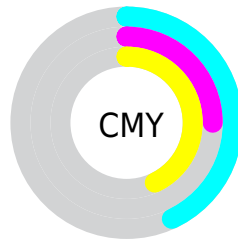
- Red (57%)
- Green (75%)
- Blue (57%)



- Red (57%)
- Yellow (75%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)



- Cyan (43%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6732, 45.4479, 34.0863 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 35.6732, 45.4479, 34.0863 by changing the saturation by 10% instead.

■ 35.6732, 45.4479,
34.0863

■ 35.6732, 45.4479,
34.0863

318.9861,
368.5845, 335.2976

■ 24.3508, 31.8104,
22.6820

■ 67.8545, 83.3921,
67.2033

■ 15.7202, 21.2167,
14.1558

■ 89.4442, 108.4676,
89.7530

■ 9.4160, 13.2825,
8.0891

115.1871,
138.1245, 116.8551

■ 5.0728, 7.6234,
4.0634

145.4484,
172.7473, 148.9278

■ 2.3252, 3.8549,
1.6602

180.5937,
212.7203, 186.3899

■ 0.8075, 1.5927,
0.3332

220.9881,

■ 0.0000, 0.3527,

258.4279, 229.6599

0.0000

266.9971,
310.2545, 279.1563

■ 0.0000, 0.0000,
0.0000

■ 35.6732, 45.4479,
34.0863

■ 35.6732, 45.4479,
34.0863

■ 31.1937, 43.2975,
26.7582

■ 40.9707, 47.9939,
42.7503

■ 27.4880, 41.5175,
20.6969

■ 47.1202, 50.9478,
52.8090

■ 24.5134, 40.0886,
15.8314

■ 54.1583, 54.3286,
64.3210

■ 22.2216, 38.9878,
12.0827

■ 62.1183, 58.1522,
77.3409

■ 20.5584, 38.1888,
9.3622

■ 71.0317, 62.4338,
91.9205

■ 19.4615, 37.6619,
7.5679

■ 77.9217, 65.7433,
103.1906

■ 18.8557, 37.3710,
6.5771

■ 18.6317, 37.2633,
6.2106

Harmonies

Analogous

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



39.4065, 45.4479, 27.4404



35.6732, 45.4479, 34.0863



33.9794, 45.4479, 46.0145

Triad

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



35.6732, 45.4479, 34.0863



41.9674, 45.4479, 83.8576



53.1225, 45.4479, 39.1179

Complementary

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



35.6732, 45.4479, 34.0863



41.1703, 35.3968, 53.9546

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.



53.9465, 45.4479, 53.1259



35.6732, 45.4479, 34.0863



47.2228, 45.4479, 80.9835

Square

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



35.6732, 45.4479, 34.0863



37.4186, 45.4479, 76.1462



51.7103, 45.4479, 68.9376



49.5414, 45.4479, 29.9106

Rectangle

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



35.6732, 45.4479, 34.0863



34.1299, 45.4479, 56.1859



51.7103, 45.4479, 68.9376



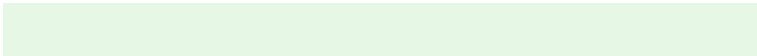
53.7423, 45.4479, 43.3394

Sweetspot

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



35.6744, 45.4498, 34.0873



80.3004, 89.2798, 87.8896



45.3069, 50.4156, 34.5379



17.4833, 19.5330, 19.0546



92.9021, 97.7402, 106.4391



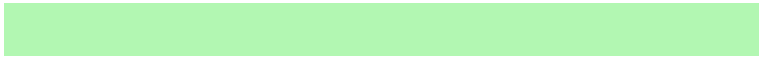
19.4759, 20.4902, 22.3138

Same Dimension

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



35.6744, 45.4498, 34.0873



59.7943, 79.4297, 54.3483



37.6008, 46.2204, 44.2314



9.4088, 10.6496, 10.1363



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.



41.1703, 35.3968, 53.9546



71.2625, 58.4522, 95.8050



38.8808, 34.4810, 41.8980



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2044



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 35.6732, 45.4479, 34.0863 looks on a white background.

Color Contrast Check

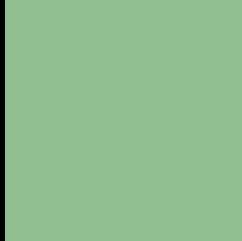
Large Text (above 18pt) WCAG AA × Fail

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 35.6732, 45.4479, 34.0863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

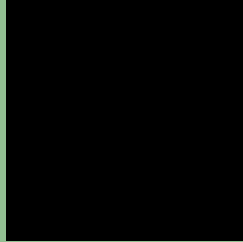
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6732, 45.4479, 34.0863

Background



This preview shows how black text looks on a background with the XYZ color 35.6732, 45.4479, 34.0863.



This preview shows how white text looks on a background with the XYZ color 35.6732, 45.4479,

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

35.6732, 45.4479, 34.0863

Protanopia

42.3396, 45.2100, 31.3058

Deuteranopia

45.9897, 44.9725, 35.1108



Tritanopia

40.9669, 45.3731, 60.6315

Trichromacy



Original Color

35.6732, 45.4479, 34.0863

Protanomaly

39.4952, 44.9339, 32.1827

Deuteranomaly

41.5525, 44.7244, 34.8764

Tritanomaly

38.9574, 45.5113, 49.9113

Monochromacy



Original Color

35.6732, 45.4479, 34.0863

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8352, 42.6711, 40.8925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6732, 45.4479, 34.0863 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(146, 191, 146)` looks like.

```
.text, #text, p{  
    color:rgb(146, 191, 146)  
}
```

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(146, 191, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 191, 146) }
```

Border

The CSS property to change the border of an element to XYZ 35.6732, 45.4479, 34.0863 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(146, 191, 146) }
```


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

```
.border{ border-color:rgb(146, 191, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 191, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 191, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 191, 146);  
box-shadow:4px 4px 4px 4px rgb(146, 191,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6732, 45.4479, 34.0863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 191, 146) }
```

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

```
.background{ background-color: rgb(146,  
191, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor