

# Converting Colors

XYZ(41.4736, 58.5742, 34.5625)

Have a look what the booklet for  
XYZ(41.4736, 58.5742, 34.5625)  
contains.

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# Color

**XYZ(41.3693, 58.3668,  
34.6767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EDB8E
RGB	142, 219, 142
RGB Percent	56%, 86%, 56%
CMY	0.4431, 0.1412, 0.4431
CMYK	0.35, 0.00, 0.35, 0.14
HSL	120°, 52%, 71%
HSV	120°, 35%, 86%
XYZ	41.3693, 58.3668, 34.6767
YIQ	187.1990, -21.1750, -40.2710

# Conversions

## Conversions Part 2

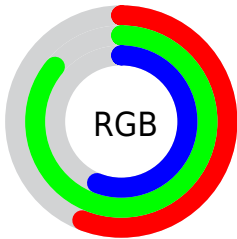
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">142, 219, 219</a>
Decimal	<a href="#">9362318</a>
CIELab	<a href="#">80.94, -38.93, 30.56</a>
CIElCh	<a href="#">81, 49.495, 141.869</a>
Yxy	<a href="#">58.3668, 0.3078, 0.4342</a>
Android (android.graphics.Color)	<a href="#">4287552398 (0xFF8EDB8E)</a>
YUV	<a href="#">187.1990, -22.2831, -39.6395</a>
Hunter-Lab	<a href="#">76.3982, -37.0398, 26.5673</a>

# Details

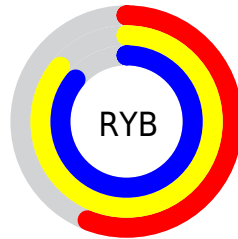
The XYZ color **41.3693, 58.3668, 34.6767** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **51.6744, 39.5216, 71.9248**, and the grayscale version is **47.4781, 49.9506, 54.3962**.

A 20% lighter version of the original color is **69.0125, 87.5113, 65.4786**, and **19.0100, 29.0244, 14.4979** is the 20% darker color. If you saturate the color by 10%, you get **36.4887, 56.0241, 26.6924**, and if you desaturate by 10%, it is **47.3142, 61.2242, 44.3994**.

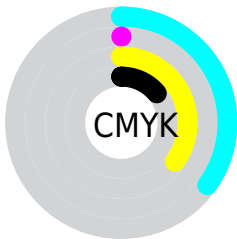
# Distribution



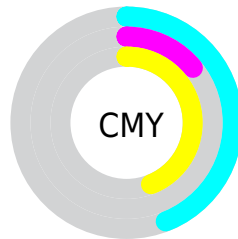
- Red (56%)
- Green (86%)
- Blue (56%)



- Red (56%)
- Yellow (86%)
- Blue (86%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (14%)




- Cyan (44%)
- Magenta (14%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3693, 58.3668, 34.6767 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 41.3693, 58.3668, 34.6767 by changing the saturation by 10% instead.





 41.3693, 58.3668,  
34.6767


 41.3693, 58.3668,  
34.6767


342.8980,  
418.5513, 337.9998

 28.7967, 42.1036,  
23.1324


 76.5154, 102.4568,  
68.1305

 19.0706, 29.1824,  
14.4851


 99.8195, 131.0524,  
90.8771

 11.8256, 19.2189,  
8.3162


127.4316,  
164.5276, 118.1948

 6.6964, 11.8285,  
4.2073

159.7170,  
203.2668, 150.5022

 3.3176, 6.6270,  
1.7397

197.0409,  
247.6544, 188.2179

 1.3239, 3.2300,  
0.3878

239.7688,

 0.2010, 1.2529,

298.0747, 231.7604

0.0000

288.2661,  
354.9122, 281.5481

■ 0.0000, 0.1043,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.3693, 58.3668,  
34.6767

■ 41.3693, 58.3668,  
34.6767

■ 36.4887, 56.0241,  
26.6924

■ 47.3142, 61.2242,  
44.3994

■ 32.6054, 54.1588,  
20.3406


■ 54.3761, 64.6164,  
55.9505


■ 29.6521, 52.7402,  
15.5097


■ 62.6100, 68.5715,  
69.4184


■ 27.5508, 51.7308,  
12.0727


■ 72.0655, 73.1135,  
84.8845

 26.2115, 51.0875,  
9.8819

 82.7897, 78.2649,  
102.4257

 25.5236, 50.7570,  
8.7565

 84.6227, 79.1453,  
105.4242

 25.3327, 50.6654,  
8.4443

# Harmonies

## Analogous

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



48.4522, 58.3668, 24.2366



41.3693, 58.3668, 34.6767



38.1596, 58.3668, 55.8960

# Triad

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



41.3693, 58.3668, 34.6767



52.7341, 58.3668, 137.4264



75.8554, 58.3668, 44.7563

# Complementary

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



41.3693, 58.3668, 34.6767



51.6744, 39.5216, 71.9248

# 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.



77.3688, 58.3668, 71.8759



41.3693, 58.3668, 34.6767



63.1475, 58.3668, 131.6641

# Square

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



41.3693, 58.3668, 34.6767



44.1722, 58.3668, 119.1085



72.4720, 58.3668, 105.1745



68.5601, 58.3668, 28.6832



# Rectangle

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



41.3693, 58.3668, 34.6767



38.3339, 58.3668, 75.8849



72.4720, 58.3668, 105.1745



77.0904, 58.3668, 52.6326

# Sweetspot

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



41.3708, 58.3693, 34.6780



81.2811, 93.3861, 86.3786



59.4300, 67.6791, 35.5226



17.0654, 19.8289, 17.9453



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

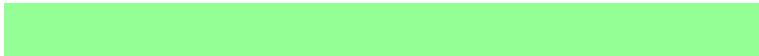


# Same Dimension

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



41.3708, 58.3693, 34.6780



53.2922, 79.9416, 40.5978



44.7777, 59.7320, 52.6184



12.8866, 14.6063, 13.8657



15.0204, 30.0408, 5.0069



0.9731, 1.9462, 0.3244



# Inverse Universe

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



51.6744, 39.5216, 71.9248



69.8639, 49.6283, 100.5030



47.1774, 37.7228, 48.2437



13.6144, 13.2749, 16.4968



24.9035, 11.9624, 40.7331

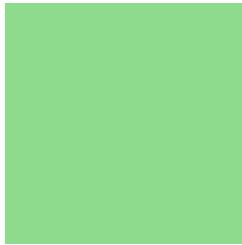


1.6134, 0.7750, 2.6389



# Previews

## White Background



This preview shows how the XYZ color 41.3693, 58.3668, 34.6767 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 41.3693, 58.3668, 34.6767 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

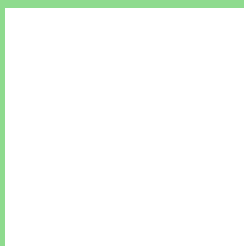
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.3693, 58.3668, 34.6767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3693, 58.3668, 34.6767.



This preview shows how white text looks on a background with the XYZ color 41.3693, 58.3668,



# 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

41.3693, 58.3668, 34.6767

### Protanopia

53.5726, 57.7815, 30.8836

### Deuteranopia

58.7870, 57.6703, 36.0500



## Tritanopia

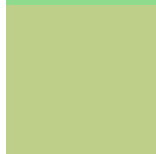
50.4916, 58.3063, 79.8272

# Trichromacy



## Original Color

41.3693, 58.3668, 34.6767



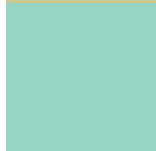
## Protanomaly

48.0634, 57.3789, 32.2089



## Deuteranomaly

50.6660, 56.8729, 35.5013



## Tritanomaly

46.5935, 58.2040, 60.4085

# Monochromacy



## Original Color

41.3693, 58.3668, 34.6767



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.5687, 52.4450, 46.3020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3693, 58.3668, 34.6767 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, 219, 142)` looks like.

```
.text, #text, p{  
    color:rgb(142, 219, 142)  
}
```

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, 219, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 219, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3693, 58.3668, 34.6767 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, 219, 142) }
```



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

```
.border{ border-color:rgb(142, 219, 142) }
```

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

Here you see how a box with a 4 pixel rgb(142, 219, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 219, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 219, 142);  
box-shadow:4px 4px 4px 4px rgb(142, 219,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3693, 58.3668, 34.6767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 219, 142) }
```

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

```
.background{ background-color: rgb(142,  
219, 142) }
```

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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