

Converting Colors

XYZ(41.9206, 62.6446, 15.1860)

Have a look what the booklet for
XYZ(41.9206, 62.6446, 15.1860)
contains.

XYZ(41.8934, 62.6644, 15.1976)	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(41.8934, 62.6644,
15.1976)**

Conversions

Conversions Part 1

Format	Color
Hex	99E443
RGB	153, 228, 67
RGB Percent	60%, 89%, 26%
CMY	0.4000, 0.1059, 0.7372
CMYK	0.33, 0.00, 0.71, 0.11
HSL	88°, 75%, 58%
HSV	88°, 71%, 89%
XYZ	41.8934, 62.6644, 15.1976
YIQ	187.2210, 6.9810, -65.9710

Conversions

Conversions Part 2

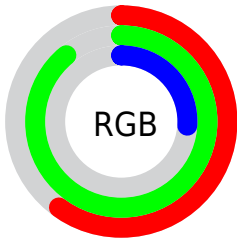
Format	Color
R_{YB}	67, 228, 142
Decimal	10085443
CIE Lab	83.27, -47.35, 67.40
CIE LCh	83, 82.373, 125.090
Yxy	62.6644, 0.3498, 0.5233
Android (android.graphics.Color)	4288275523 (0xFF99E443)
YUV	187.2210, -59.2690, -30.0118
Hunter-Lab	79.1608, -44.0660, 44.0299

Details

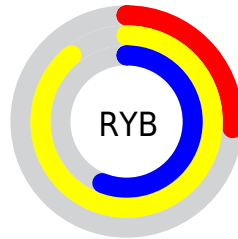
The XYZ color **41.8934, 62.6644, 15.1976** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **27.1690, 15.3685, 74.9369**, and the grayscale version is **47.6822, 50.1653, 54.6301**.

A 20% lighter version of the original color is **66.5495, 86.9723, 32.3486**, and **19.4718, 31.9379, 5.1384** is the 20% darker color. If you saturate the color by 10%, you get **39.4235, 61.4572, 12.1877**, and if you desaturate by 10%, it is **44.8139, 64.0768, 19.6358**.

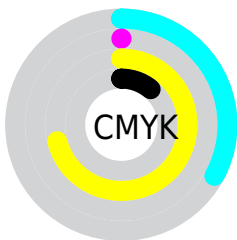
Distribution



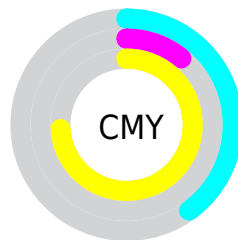
- Red (60%)
- Green (89%)
- Blue (26%)



- Red (26%)
- Yellow (89%)
- Blue (56%)



- Cyan (33%)
- Magenta (0%)
- Yellow (71%)
- Black (11%)





- Cyan (40%)
- Magenta (11%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8934, 62.6644, 15.1976 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 41.8934, 62.6644, 15.1976 by changing the saturation by 10% instead.


 41.8934, 62.6644,
15.1976


 41.8934, 62.6644,
15.1976


345.0400,
434.3505, 236.2410

 29.2086, 45.5698,
8.8100


 77.3044, 108.6852,
35.9467


 19.3837, 31.9064,
4.5224


 100.7614,
138.3802, 51.1452


 12.0535, 21.2901,
1.9161

 128.5397,
173.0440, 70.1178

 6.8526, 13.3362,
0.5029

 161.0048,
213.0611, 93.2831

 3.4156, 7.6605,
0.0000

 198.5220,
258.8160, 121.0595

 1.3772, 3.8785,
0.0000

241.4567,

 0.2399, 1.6058,

310.6929, 153.8656

0.0000

290.1743,
369.0763, 192.1199

■ 0.0000, 0.3615,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8934, 62.6644,
15.1976

■ 41.8934, 62.6644,
15.1976

■ 39.4235, 61.4572,
12.1877

■ 44.8139, 64.0768,
19.6358


■ 37.3614, 60.4310,
10.4245


■ 48.2133, 65.6997,
25.6471


■ 35.7402, 59.6113,
9.6224

■ 52.1220, 67.5480,
33.3632


■ 56.5663, 69.6326,
42.9006

 61.5704, 71.9637,
54.3657

 67.1567, 74.5508,
67.8567

 73.3466, 77.4027,
83.4650

 80.1598, 80.5278,
101.2764

 84.7189, 82.7757,
106.1199

Harmonies

Analogous

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



56.5607, 62.6644, 9.6269



41.8934, 62.6644, 15.1976



33.4917, 62.6644, 34.5787

Triad

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



41.8934, 62.6644, 15.1976



46.2146, 62.6644, 202.2644



100.8153, 62.6644, 59.8586

Complementary

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



41.8934, 62.6644, 15.1976



27.1690, 15.3685, 74.9369

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.



96.5250, 62.6644, 118.7073



41.8934, 62.6644, 15.1976



62.6649, 62.6644, 220.9224

Square

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



41.8934, 62.6644, 15.1976



35.6142, 62.6644, 141.9798



81.6049, 62.6644, 184.7591



92.3753, 62.6644, 25.8210

Rectangle

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



41.8934, 62.6644, 15.1976



31.4408, 62.6644, 60.1408



81.6049, 62.6644, 184.7591



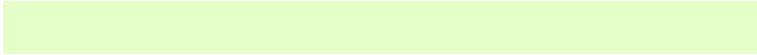
100.8287, 62.6644, 77.0158

Sweetspot

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



41.8949, 62.6671, 15.1990



79.0056, 92.5899, 69.2439



42.3085, 35.4975, 9.9329



16.5133, 19.6334, 13.8953



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.



41.8949, 62.6671, 15.1990



49.4445, 78.5337, 14.4075



31.6641, 57.3930, 14.7202



14.9208, 16.4662, 15.2963



20.7749, 34.4914, 5.5625



1.6422, 2.6040, 0.4161

Inverse Universe

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



27.1690, 15.3685, 74.9369



29.4367, 14.1309, 95.7838



45.5134, 24.8253, 75.7954



14.2179, 14.2146, 18.1387



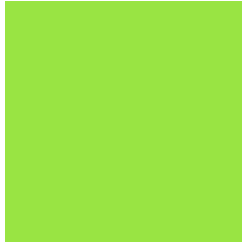
11.6675, 5.0807, 42.7489



0.9685, 0.4303, 3.1640

Previews

White Background



This preview shows how the XYZ color 41.8934, 62.6644, 15.1976 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 41.8934, 62.6644, 15.1976 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

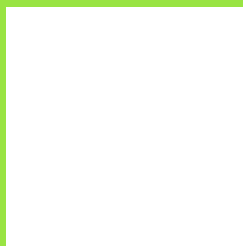
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8934, 62.6644, 15.1976

Background



This preview shows how black text looks on a background with the XYZ color 41.8934, 62.6644, 15.1976.



This preview shows how white text looks on a background with the XYZ color 41.8934, 62.6644,

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

41.8934, 62.6644, 15.1976

Protanopia

56.1101, 61.9515, 13.4154

Deuteranopia

63.0517, 61.9307, 18.3035



Tritanopia

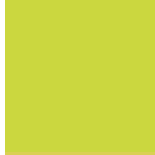
55.7564, 62.4156, 83.9717

Trichromacy



Original Color

41.8934, 62.6644, 15.1976



Protanomaly

49.8262, 61.6563, 13.9774



Deuteranomaly

52.9923, 60.6264, 16.8917



Tritanomaly

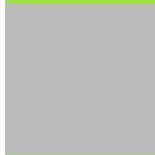
48.3584, 61.2986, 47.8111

Monochromacy



Original Color

41.8934, 62.6644, 15.1976



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.7577, 53.3382, 33.9756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8934, 62.6644, 15.1976 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(153, 228, 67)` looks like.

```
.text, #text, p{  
    color:rgb(153, 228, 67)  
}
```

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(153, 228, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 228, 67) }
```

Border

The CSS property to change the border of an element to XYZ 41.8934, 62.6644, 15.1976 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(153, 228, 67) }
```


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

```
.border{ border-color:rgb(153, 228, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 228, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 228, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 228, 67);  
box-shadow:4px 4px 4px 4px rgb(153, 228,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8934, 62.6644, 15.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 228, 67) }
```

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

```
.background{ background-color: rgb(153,  
228, 67) }
```

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