

Converting Colors

XYZ(33.7431, 41.3345, 33.6601)

Have a look what the booklet for
XYZ(33.7431, 41.3345, 33.6601)
contains.

XYZ(33.8230, 41.3574, 33.8039)	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(33.8230, 41.3574,
33.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	93B593
RGB	147, 181, 147
RGB Percent	58%, 71%, 58%
CMY	0.4235, 0.2902, 0.4235
CMYK	0.19, 0.00, 0.19, 0.29
HSL	120°, 19%, 64%
HSV	120°, 19%, 71%
XYZ	33.8230, 41.3574, 33.8039
YIQ	166.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

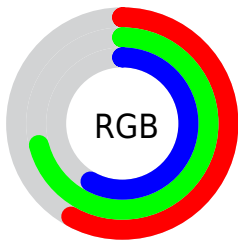
Format	Color
RYB	147, 181, 181
Decimal	9680275
CIELab	70.43, -18.21, 13.58
CIELCh	70, 22.715, 143.270
Yxy	41.3574, 0.3103, 0.3795
Android (android.graphics.Color)	4287870355 (0xFF93B593)
YUV	166.9580, -9.8393, -17.5032
Hunter-Lab	64.3097, -18.6619, 13.8515

Details

The XYZ color **33.8230, 41.3574, 33.8039** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.8318, 34.0284, 48.2922**, and the grayscale version is **36.7608, 38.6752, 42.1173**.

A 20% lighter version of the original color is **64.9142, 77.2029, 66.7387**, and **14.6544, 18.7697, 13.9169** is the 20% darker color. If you saturate the color by 10%, you get **29.5188, 39.2911, 26.7627**, and if you desaturate by 10%, it is **38.8637, 43.7799, 42.0479**.

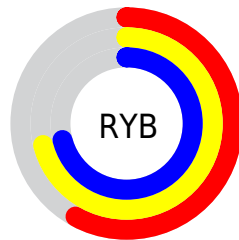
Distribution



Red (58%)

Green (71%)

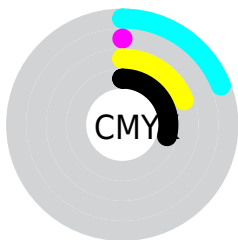
Blue (58%)



Red (58%)

Yellow (71%)

Blue (71%)

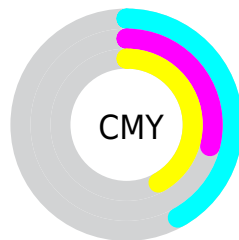


Cyan (19%)

Magenta (0%)

Yellow (19%)

Black (29%)



Cyan (42%)


Magenta (29%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8230, 41.3574, 33.8039 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 33.8230, 41.3574, 33.8039 by changing the saturation by 10% instead.

 33.8230, 41.3574,
33.8039


 33.8230, 41.3574,
33.8039


310.9419,
351.8122, 333.9992

 22.9199, 28.5985,
22.4668


 65.0044, 77.2261,
66.7590

 14.6547, 18.7773,
13.9987


 86.0135, 101.1047,
89.2141

 8.6622, 11.5094,
7.9811


111.1219,
129.4587, 116.2124

 4.5768, 6.4106,
3.9952

140.6951,
162.6723, 148.1723

 2.0334, 3.0963,
1.6227

175.0983,
201.1301, 185.5124

 0.6526, 1.1822,
0.3070

214.6969,

 0.0000, 0.0471,

245.2164, 228.6512

0.0000

259.8563,
295.3156, 278.0073

0.0000, 0.0000,
0.0000

33.8230, 41.3574,
33.8039

33.8230, 41.3574,
33.8039

29.5188, 39.2911,
26.7627

38.8637, 43.7799,
42.0479

25.9134, 37.5593,
20.8655

44.6695, 46.5688,
51.5444

22.9711, 36.1459,
16.0528

51.2717, 49.7401,
62.3434

20.6515, 35.0317,
12.2585

58.6987, 53.3077,
74.4916

18.9097, 34.1950,
9.4095

66.9776, 57.2845,
88.0332

■ 17.6951, 33.6116,
7.4228

■ 75.8147, 61.5294,
102.4882

■ 16.9482, 33.2528,
6.2011

■ 16.5643, 33.0684,
5.5730

■ 16.5247, 33.0494,
5.5083

Harmonies

Analogous

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



36.5361, 41.3574, 28.6385



33.8230, 41.3574, 33.8039



32.5916, 41.3574, 42.6605

Triad

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



33.8230, 41.3574, 33.8039



38.4722, 41.3574, 68.7351



46.2916, 41.3574, 37.3757

Complementary

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



33.8230, 41.3574, 33.8039



37.8318, 34.0284, 48.2922

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.



46.8912, 41.3574, 47.4881



33.8230, 41.3574, 33.8039



42.2187, 41.3574, 66.7225

Square

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



33.8230, 41.3574, 33.8039



35.1635, 41.3574, 63.6346



45.3582, 41.3574, 58.5041



43.7681, 41.3574, 30.4607

Rectangle

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



33.8230, 41.3574, 33.8039



32.7174, 41.3574, 49.9254



45.3582, 41.3574, 58.5041



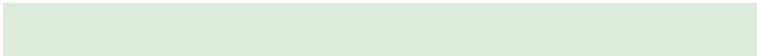
46.7312, 41.3574, 40.4677

Sweetspot

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



33.8241, 41.3592, 33.8048



72.2558, 79.6805, 79.6463



40.8482, 44.9802, 34.1334



15.4790, 17.1555, 16.9887



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.8241, 41.3592, 33.8048



56.8700, 72.2899, 54.4800



35.2586, 41.9330, 41.3587



8.3890, 9.4901, 9.0422



11.3912, 22.7825, 3.7971



0.3584, 0.7168, 0.1195

Inverse Universe

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



37.8318, 34.0284, 48.2922



65.5178, 56.4715, 85.7411



36.1920, 33.3725, 39.6572



8.8501, 8.6467, 10.7088



18.8865, 9.0722, 30.8919



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 33.8230, 41.3574, 33.8039 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 33.8230, 41.3574, 33.8039 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 33.8230, 41.3574, 33.8039

Background



This preview shows how black text looks on a background with the XYZ color 33.8230, 41.3574, 33.8039.



This preview shows how white text looks on a background with the XYZ color 33.8230, 41.3574,

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

33.8230, 41.3574, 33.8039

Protanopia

38.5015, 40.9026, 31.4569

Deuteranopia

41.7251, 40.8480, 34.5395



Tritanopia

37.8417, 41.2041, 54.1028

Trichromacy



Original Color

33.8230, 41.3574, 33.8039

Protanomaly

36.7262, 41.1086, 32.3846

Deuteranomaly

38.3478, 40.7607, 34.2802

Tritanomaly

36.1246, 41.0796, 46.0696

Monochromacy



Original Color

33.8230, 41.3574, 33.8039

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.5949, 39.5167, 39.0091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8230, 41.3574, 33.8039 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, 181, 147)` looks like.

```
.text, #text, p{  
    color:rgb(147, 181, 147)  
}
```

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, 181, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 181, 147) }
```

Border

The CSS property to change the border of an element to XYZ 33.8230, 41.3574, 33.8039 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, 181, 147) }
```


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

```
.border{ border-color:rgb(147, 181, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 181, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 181, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 181, 147);  
box-shadow:4px 4px 4px 4px rgb(147, 181,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8230, 41.3574, 33.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 181, 147) }
```

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

```
.background{ background-color: rgb(147,  
181, 147) }
```

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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