

Converting Colors

XYZ(41.1019, 64.3655, 33.0150)

Have a look what the booklet for
XYZ(41.1019, 64.3655, 33.0150)
contains.

XYZ(41.1321, 64.3768, 33.1798)	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(41.1321, 64.3768,
33.1798)**

Conversions

Conversions Part 1

Format	Color
Hex	75EA87
RGB	117, 234, 135
RGB Percent	46%, 92%, 53%
CMY	0.5412, 0.0823, 0.4706
CMYK	0.50, 0.00, 0.42, 0.08
HSL	129°, 74%, 69%
HSV	129°, 50%, 92%
XYZ	41.1321, 64.3768, 33.1798
YIQ	187.7310, -37.9530, -55.5930

Conversions

Conversions Part 2

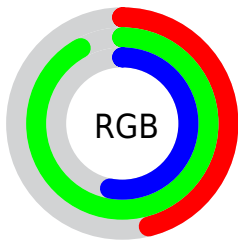
Format	Color
RYB	117, 218, 234
Decimal	7727751
CIELab	84.16, -53.53, 38.11
CIElCh	84, 65.711, 144.557
Yxy	64.3768, 0.2966, 0.4642
Android (android.graphics.Color)	4285917831 (0xFF75EA87)
YUV	187.7310, -25.9964, -62.0311
Hunter-Lab	80.2352, -48.9045, 31.6463

Details

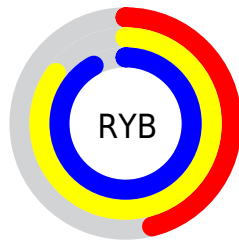
The XYZ color **41.1321, 64.3768, 33.1798** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.6896, 35.1740, 68.9798**, and the grayscale version is **47.8069, 50.2966, 54.7730**.

A 20% lighter version of the original color is **62.6245, 84.3081, 61.1165**, and **18.8590, 32.8810, 13.5363** is the 20% darker color. If you saturate the color by 10%, you get **37.1055, 62.4492, 26.3791**, and if you desaturate by 10%, it is **46.2069, 66.8185, 41.3856**.

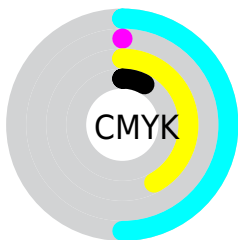
Distribution



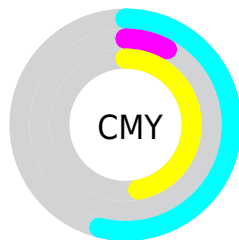
- Red (46%)
- Green (92%)
- Blue (53%)



- Red (46%)
- Yellow (85%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (8%)



- Cyan (54%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1321, 64.3768, 33.1798 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 41.1321, 64.3768, 33.1798 by changing the saturation by 10% instead.

41.1321, 64.3768,
33.1798

41.1321, 64.3768,
33.1798

341.9256,
440.5491, 331.1160

28.6104, 46.9559,
21.9920

76.1578, 111.1534,
65.7754

18.9291, 33.0008,
13.6527

99.3926, 141.2779,
88.0202

11.7228, 22.1271,
7.7436

126.9291,
176.4058, 114.7878

6.6261, 13.9503,
3.8459

159.1328,
216.9214, 146.4967

3.2736, 8.0861,
1.5412

196.3689,
263.2091, 183.5654

1.3000, 4.1501,
0.2483

239.0028,

0.1833, 1.7579,

315.6534, 226.4125

0.0000

287.3999,
374.6386, 275.4565

■ 0.0000, 0.4607,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.1321, 64.3768,
33.1798

■ 41.1321, 64.3768,
33.1798

■ 37.1055, 62.4492,
26.3791

■ 46.2069, 66.8185,
41.3856

■ 34.0482, 60.9913,
20.9006


■ 52.3920, 69.7992,
51.0646


■ 31.8779, 59.9640,
16.6593


■ 59.7501, 73.3517,
62.2858


■ 30.4956, 59.3186,
13.5585

■ 68.3380, 77.5039,
75.1125

 29.7426, 58.9755,
11.4851

 78.2086, 82.2818,
89.6045

 88.5220, 87.2513,
105.7767

 88.7141, 87.3281,
106.7880

Harmonies

Analogous

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



50.2958, 64.3768, 19.5990



41.1321, 64.3768, 33.1798



37.3762, 64.3768, 62.7756

Triad

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



41.1321, 64.3768, 33.1798



58.5759, 64.3768, 183.7339



90.2809, 64.3768, 41.8227

Complementary

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



41.1321, 64.3768, 33.1798



52.6896, 35.1740, 68.9798

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.



93.4287, 64.3768, 77.9632



41.1321, 64.3768, 33.1798



73.5496, 64.3768, 170.9686

Square

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



41.1321, 64.3768, 33.1798



46.3742, 64.3768, 157.5804



86.8893, 64.3768, 127.4886



78.8623, 64.3768, 23.0271

Rectangle

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



41.1321, 64.3768, 33.1798



37.9339, 64.3768, 92.1911



86.8893, 64.3768, 127.4886



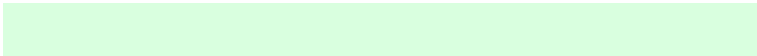
92.4103, 64.3768, 51.8464

Sweetspot

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



41.1337, 64.3795, 33.1812



77.5711, 91.5415, 83.1352



61.0882, 74.8007, 28.0483



16.1382, 19.3687, 17.0979



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.



41.1337, 64.3795, 33.1812



44.9758, 75.8393, 31.8514



46.3919, 66.4828, 60.8706



14.9628, 16.8999, 16.4869



16.7419, 33.1512, 6.6060



1.3435, 2.6147, 0.6705

Inverse Universe

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



52.6896, 35.1740, 68.9798



60.4802, 36.5583, 79.8111



46.4620, 32.6830, 36.1859



15.6094, 15.2716, 18.4945



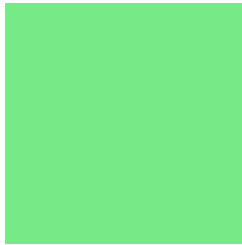
24.8336, 12.1361, 31.2548



1.9769, 0.9637, 2.5960

Previews

White Background



This preview shows how the XYZ color 41.1321, 64.3768, 33.1798 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 41.1321, 64.3768, 33.1798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

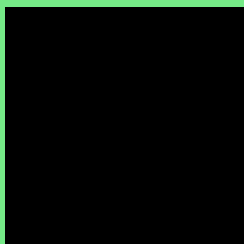
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1321, 64.3768, 33.1798

Background



This preview shows how black text looks on a background with the XYZ color 41.1321, 64.3768, 33.1798.



This preview shows how white text looks on a background with the XYZ color 41.1321, 64.3768,

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

41.1321, 64.3768, 33.1798

Protanopia

58.4970, 63.5756, 28.5902

Deuteranopia

64.4483, 62.9698, 34.7442



Tritanopia

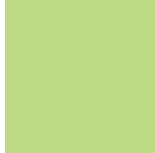
52.8340, 64.1965, 92.0446

Trichromacy



Original Color

41.1321, 64.3768, 33.1798



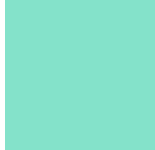
Protanomaly

49.7729, 62.4192, 30.1937



Deuteranomaly

52.3645, 61.3979, 33.9020



Tritanomaly

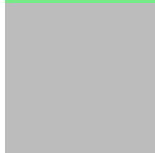
47.3727, 63.5625, 65.6491

Monochromacy



Original Color

41.1321, 64.3768, 33.1798



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.8930, 54.2086, 45.6860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1321, 64.3768, 33.1798 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(117, 234, 135)` looks like.

```
.text, #text, p{  
    color:rgb(117, 234, 135)  
}
```

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(117, 234, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 234, 135) }
```

Border

The CSS property to change the border of an element to XYZ 41.1321, 64.3768, 33.1798 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(117, 234, 135) }
```


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

```
.border{ border-color:rgb(117, 234, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 234, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 234, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 234, 135);  
box-shadow:4px 4px 4px 4px rgb(117, 234,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1321, 64.3768, 33.1798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 234, 135) }
```

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

```
.background{ background-color: rgb(117,  
234, 135) }
```

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