

Converting Colors

XYZ(38.2717, 47.5379, 24.7195)

Have a look what the booklet for
XYZ(38.2717, 47.5379, 24.7195)
contains.

XYZ(38.3361, 47.6873, 24.6368)	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(38.3361, 47.6873,
24.6368)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C177
RGB	167, 193, 119
RGB Percent	65%, 76%, 47%
CMY	0.3451, 0.2431, 0.5333
CMYK	0.13, 0.00, 0.38, 0.24
HSL	81°, 37%, 61%
HSV	81°, 38%, 76%
XYZ	38.3361, 47.6873, 24.6368
YIQ	176.7900, 8.2580, -28.5260

Conversions

Conversions Part 2

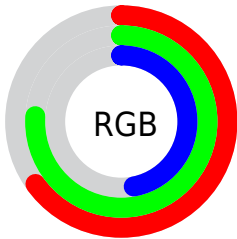
Format	Color
R_{YB}	119, 193, 145
Decimal	10994039
CIE _{Lab}	74.63, -21.21, 34.38
CIE _{LCh}	75, 40.397, 121.670
Yxy	47.6873, 0.3464, 0.4309
Android (android.graphics.Color)	4289184119 (0xFFA7C177)
YUV	176.7900, -28.4905, -8.5858
Hunter-Lab	69.0560, -21.7546, 27.1866

Details

The XYZ color **38.3361, 47.6873, 24.6368** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.9014, 23.0649, 53.4361**, and the grayscale version is **41.8225, 44.0005, 47.9166**.

A 20% lighter version of the original color is **72.0634, 87.0377, 52.0315**, and **17.2462, 22.4723, 9.0588** is the 20% darker color. If you saturate the color by 10%, you get **35.8977, 46.5523, 19.0745**, and if you desaturate by 10%, it is **41.0875, 48.9594, 31.4443**.

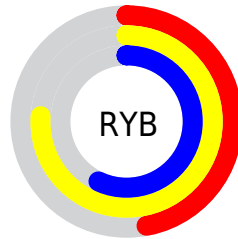
Distribution



Red (65%)

Green (76%)

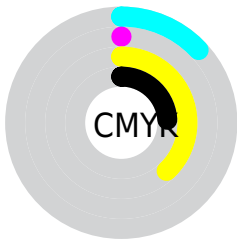
Blue (47%)



Red (47%)

Yellow (76%)

Blue (57%)

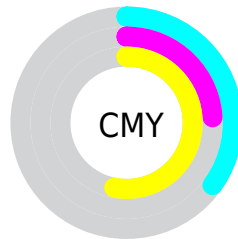


Cyan (13%)

Magenta (0%)

Yellow (38%)

Black (24%)



Cyan (35%)


Magenta (24%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3361, 47.6873, 24.6368 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 38.3361, 47.6873, 24.6368 by changing the saturation by 10% instead.


 38.3361, 47.6873,
24.6368


 38.3361, 47.6873,
24.6368


330.3155,
377.5513, 289.4139

 26.4220, 33.5793,
15.5901

 71.9236, 86.7386,
52.0242

 17.2740, 22.5706,
9.0834


 94.3277, 112.4508,
71.2020

 10.5265, 14.2768,
4.6980


 120.9593,
142.7998, 94.5938

 5.8144, 8.3134,
2.0156

152.1836,
178.1700, 122.6184

 2.7721, 4.2961,
0.5648

188.3660,
218.9459, 155.6941

 1.0344, 1.8406,
0.0000

229.8719,

 0.0000, 0.5123,

265.5118, 194.2396

0.0000

277.0666,
318.2522, 238.6733

■ 0.0000, 0.0000,
0.0000

■ 38.3361, 47.6873,
24.6368

■ 38.3361, 47.6873,
24.6368

■ 35.8977, 46.5523,
19.0745

■ 41.0875, 48.9594,
31.4443

■ 33.7532, 45.5419,
14.6789

■ 44.1625, 50.3681,
39.5633

■ 31.8867, 44.6510,
11.3670


■ 47.5756, 51.9210,
49.0588


■ 30.2790, 43.8720,
9.0441


■ 51.3392, 53.6231,
59.9908

■ 28.9077, 43.1957,
7.5986


■ 55.4651, 55.4793,
72.4156


 27.7381, 42.6080,
6.8541

 59.9643, 57.4942,
86.3865

 27.5552, 42.5157,
6.7540

 64.8476, 59.6721,
101.9544

 67.0181, 60.7745,
102.8061

 69.1283, 61.8623,
102.9049

Harmonies

Analogous

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



44.9168, 47.6873, 21.1751



38.3361, 47.6873, 24.6368



34.0402, 47.6873, 35.0610

Triad

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



38.3361, 47.6873, 24.6368



38.9744, 47.6873, 96.0512



60.8843, 47.6873, 50.7586

Complementary

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



38.3361, 47.6873, 24.6368



27.9014, 23.0649, 53.4361

Split Complementary

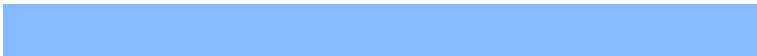
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.8640, 47.6873, 73.4753



38.3361, 47.6873, 24.6368



45.7364, 47.6873, 103.4777

Square

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



38.3361, 47.6873, 24.6368



34.3799, 47.6873, 76.0672



53.1163, 47.6873, 94.2936



58.3775, 47.6873, 33.5196

Rectangle

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



38.3361, 47.6873, 24.6368



32.7869, 47.6873, 46.3047



53.1163, 47.6873, 94.2936



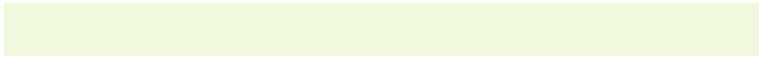
60.7112, 47.6873, 57.9791

Sweetspot

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



38.3373, 47.6894, 24.6378



82.7802, 91.8856, 81.0218



35.4339, 32.8912, 21.9345



17.5860, 19.6338, 16.8991



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.



38.3373, 47.6894, 24.6378



64.9617, 83.6860, 35.6309



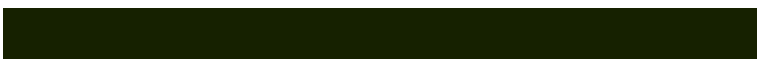
31.6225, 44.2278, 24.3236



10.5588, 11.5755, 10.7397



18.4158, 28.3225, 4.4962



0.8680, 1.2610, 0.1977

Inverse Universe

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



27.9014, 23.0649, 53.4361



43.6518, 33.3621, 94.4991



35.4920, 26.9780, 53.7914



9.8548, 9.9163, 12.6795



8.0584, 3.4147, 33.7910



0.4234, 0.1863, 1.4635

Previews

White Background



This preview shows how the XYZ color 38.3361, 47.6873, 24.6368 looks on a white background.

Color Contrast Check

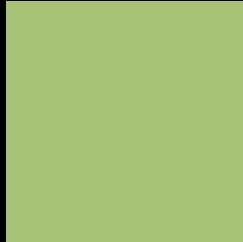
Large Text (above 18pt) WCAG AA × Fail

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 38.3361, 47.6873, 24.6368 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 38.3361, 47.6873, 24.6368

Background



This preview shows how black text looks on a background with the XYZ color 38.3361, 47.6873, 24.6368.



This preview shows how white text looks on a background with the XYZ color 38.3361, 47.6873,

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

38.3361, 47.6873, 24.6368

Protanopia

43.8474, 47.3841, 23.0547

Deuteranopia

48.4203, 47.3056, 25.3178



Tritanopia

45.4866, 47.4092, 60.1796

Trichromacy



Original Color

38.3361, 47.6873, 24.6368

Protanomaly

41.6617, 47.4930, 23.4942

Deuteranomaly

44.3282, 47.2785, 25.2017

Tritanomaly

42.3873, 47.4039, 44.4519

Monochromacy



Original Color

38.3361, 47.6873, 24.6368

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.1678, 45.1515, 38.0505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3361, 47.6873, 24.6368 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(167, 193, 119)` looks like.

```
.text, #text, p{  
    color:rgb(167, 193, 119)  
}
```

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(167, 193, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 193, 119) }
```

Border

The CSS property to change the border of an element to XYZ 38.3361, 47.6873, 24.6368 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(167, 193, 119) }
```


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

```
.border{ border-color:rgb(167, 193, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 193, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 193, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 193, 119);  
box-shadow:4px 4px 4px 4px rgb(167, 193,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3361, 47.6873, 24.6368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 193, 119) }
```

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

```
.background{ background-color: rgb(167,  
193, 119) }
```

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