

Converting Colors

XYZ(37.4578, 48.0103, 40.0612)

Have a look what the booklet for
XYZ(37.4578, 48.0103, 40.0612)
contains.

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Color

**XYZ(37.3256, 47.8227,
40.0643)**

Conversions

Conversions Part 1

Format	Color
Hex	8FC49F
RGB	143, 196, 159
RGB Percent	56%, 77%, 62%
CMY	0.4392, 0.2314, 0.3765
CMYK	0.27, 0.00, 0.19, 0.23
HSL	138°, 31%, 66%
HSV	138°, 27%, 77%
XYZ	37.3256, 47.8227, 40.0643
YIQ	175.9350, -19.7110, -22.7430

Conversions

Conversions Part 2

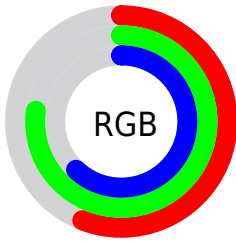
Format	Color
RYB	143, 184, 196
Decimal	9421983
CIELab	74.71, -24.85, 13.09
CIELCh	75, 28.088, 152.234
Yxy	47.8227, 0.2981, 0.3819
Android (android.graphics.Color)	4287612063 (0xFF8FC49F)
YUV	175.9350, -8.3490, -28.8840
Hunter-Lab	69.1540, -24.6747, 14.0581

Details

The XYZ color **37.3256, 47.8227, 40.0643** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.8272, 34.6770, 47.7235**, and the grayscale version is **41.2835, 43.4334, 47.2990**.

A 20% lighter version of the original color is **70.5516, 87.1114, 76.7140**, and **16.6942, 22.6529, 17.6799** is the 20% darker color. If you saturate the color by 10%, you get **33.1021, 45.7764, 34.0079**, and if you desaturate by 10%, it is **42.2760, 50.2312, 46.8430**.

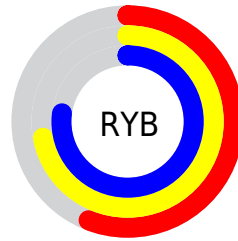
Distribution



Red (56%)

Green (77%)

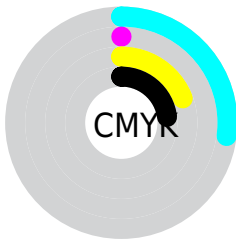
Blue (62%)



Red (56%)

Yellow (72%)

Blue (77%)

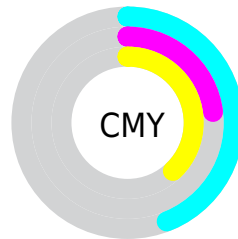


Cyan (27%)

Magenta (0%)

Yellow (19%)

Black (23%)



Cyan (44%)


Magenta (23%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3256, 47.8227, 40.0643 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 37.3256, 47.8227, 40.0643 by changing the saturation by 10% instead.


 37.3256, 47.8227,
40.0643


 37.3256, 47.8227,
40.0643


326.0492,
378.0889, 361.9547

 25.6345, 33.6865,
27.2745


 70.3839, 86.9404,
76.4996

 16.6817, 22.6529,
17.5452


 92.4818, 112.6906,
100.9821

 10.1017, 14.3374,
10.4579


118.7793,
143.0810, 130.1994

 5.5292, 8.3557,
5.5941

149.6418,
178.4959, 164.5699

 2.5989, 4.3234,
2.5351

185.4347,
219.3198, 204.5121

 0.9454, 1.8561,
0.8587

226.5234,

 0.0000, 0.5218,

265.9370, 250.4446

0.0000

273.2730,
318.7319, 302.7859

■ 0.0000, 0.0000,
0.0000

■ 37.3256, 47.8227,
40.0643

■ 37.3256, 47.8227,
40.0643

■ 33.1021, 45.7764,
34.0079

■ 42.2760, 50.2312,
46.8430

■ 29.5665, 44.0688,
28.6467

■ 47.9822, 53.0123,
54.3635

■ 26.6820, 42.6826,
23.9566

■ 54.4759, 56.1833,
62.6487

■ 24.4067, 41.5968,
19.9107

■ 61.7863, 59.7587,
71.7195

■ 22.6934, 40.7877,
16.4805

■ 69.9406, 63.7523,
81.5957

■ 21.4877, 40.2279,
13.6351

■ 76.8733, 67.0987,
92.1990

■ 20.7167, 39.8804,
11.3403

■ 78.9964, 67.9479,
103.3789

■ 20.5347, 39.7992,
10.7605

■ 79.0308, 67.9617,
103.5603

Harmonies

Analogous

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



40.4269, 47.8227, 31.7628



37.3256, 47.8227, 40.0643



36.3516, 47.8227, 53.1718

Triad

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



37.3256, 47.8227, 40.0643



45.8369, 47.8227, 85.4349



54.2537, 47.8227, 38.4951

Complementary

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



37.3256, 47.8227, 40.0643



40.8272, 34.6770, 47.7235

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.



55.9617, 47.8227, 50.9850



37.3256, 47.8227, 40.0643



50.8815, 47.8227, 79.5885

Square

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



37.3256, 47.8227, 40.0643



41.0416, 47.8227, 81.0482



54.6844, 47.8227, 66.2642



50.1719, 47.8227, 30.9829

Rectangle

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



37.3256, 47.8227, 40.0643



36.9763, 47.8227, 63.4237



54.6844, 47.8227, 66.2642



55.1377, 47.8227, 42.1606

Sweetspot

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



37.3269, 47.8247, 40.0654



85.7301, 95.4506, 96.9353



43.5453, 51.1806, 33.5708



17.9972, 20.2584, 20.2885



0.0000, 0.0000, 0.0000



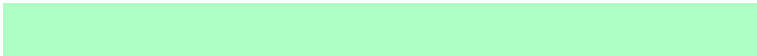
20.3446, 21.4041, 23.3091

Same Dimension

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



37.3269, 47.8247, 40.0654



63.2791, 84.5287, 66.4267



39.8684, 48.8413, 53.4486



10.0668, 11.3078, 11.3551



13.2276, 25.5851, 7.0916



0.6029, 1.1180, 0.4714

Inverse Universe

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



40.8272, 34.6770, 47.7235



70.5949, 57.0346, 82.4212



38.3883, 33.7014, 34.8800



10.3636, 10.1940, 12.0052



17.5607, 8.7140, 16.1304



0.7881, 0.3882, 0.8515

Previews

White Background



This preview shows how the XYZ color 37.3256, 47.8227, 40.0643 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 37.3256, 47.8227, 40.0643 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

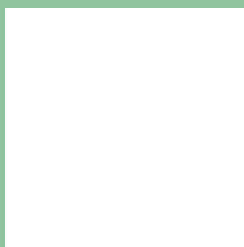
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3256, 47.8227, 40.0643

Background



This preview shows how black text looks on a background with the XYZ color 37.3256, 47.8227, 40.0643.



This preview shows how white text looks on a background with the XYZ color 37.3256, 47.8227,

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

37.3256, 47.8227, 40.0643

Protanopia

44.5933, 47.4714, 36.5183

Deuteranopia

48.3454, 47.4985, 41.2704



Tritanopia

42.3818, 47.9101, 64.7714

Trichromacy



Original Color

37.3256, 47.8227, 40.0643

Protanomaly

41.5788, 47.4470, 37.9771

Deuteranomaly

43.4292, 47.0800, 40.9808

Tritanomaly

40.3212, 47.7197, 54.6626

Monochromacy



Original Color

37.3256, 47.8227, 40.0643

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.4990, 44.6618, 44.5690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3256, 47.8227, 40.0643 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(143, 196, 159)` looks like.

```
.text, #text, p{  
    color:rgb(143, 196, 159)  
}
```

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(143, 196, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 196, 159) }
```

Border

The CSS property to change the border of an element to XYZ 37.3256, 47.8227, 40.0643 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(143, 196, 159) }
```


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

```
.border{ border-color:rgb(143, 196, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 196, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 196, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 196, 159);  
box-shadow:4px 4px 4px 4px rgb(143, 196,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3256, 47.8227, 40.0643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 196, 159) }
```

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

```
.background{ background-color: rgb(143,  
196, 159) }
```

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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