

Converting Colors

XYZ(35.9115, 47.8914, 40.1834)

Have a look what the booklet for
XYZ(35.9115, 47.8914, 40.1834)
contains.

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Color

**XYZ(35.8122, 47.7167,
40.1236)**

Conversions

Conversions Part 1

Format	Color
Hex	83C69F
RGB	131, 198, 159
RGB Percent	51%, 78%, 62%
CMY	0.4863, 0.2235, 0.3765
CMYK	0.34, 0.00, 0.20, 0.22
HSL	145°, 37%, 65%
HSV	145°, 34%, 78%
XYZ	35.8122, 47.7167, 40.1236
YIQ	173.5210, -27.4130, -26.3330

Conversions

Conversions Part 2

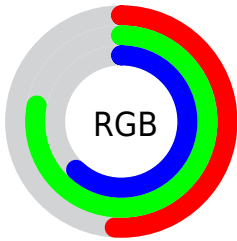
Format	Color
RYB	131, 178, 198
Decimal	8636063
CIELab	74.65, -29.58, 12.90
CIELCh	75, 32.272, 156.441
Yxy	47.7167, 0.2896, 0.3859
Android (android.graphics.Color)	4286826143 (0xFF83C69F)
YUV	173.5210, -7.1589, -37.2909
Hunter-Lab	69.0773, -28.3443, 13.9154

Details

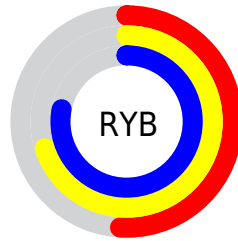
The XYZ color **35.8122, 47.7167, 40.1236** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.6624, 31.1418, 42.0055**, and the grayscale version is **40.0332, 42.1180, 45.8665**.

A 20% lighter version of the original color is **68.1473, 86.8141, 76.7834**, and **15.8219, 22.6489, 17.7251** is the 20% darker color. If you saturate the color by 10%, you get **32.0798, 45.9041, 34.9695**, and if you desaturate by 10%, it is **40.2265, 49.8727, 45.7986**.

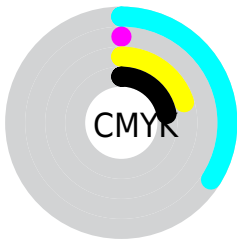
Distribution



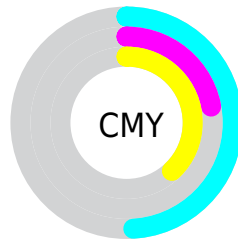
- Red (51%)
- Green (78%)
- Blue (62%)



- Red (51%)
- Yellow (70%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8122, 47.7167, 40.1236 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 35.8122, 47.7167, 40.1236 by changing the saturation by 10% instead.


 35.8122, 47.7167,
40.1236


 35.8122, 47.7167,
40.1236


319.5845,
377.6681, 362.2118


 24.4586, 33.6026,
27.3204


 68.0679, 86.7824,
76.5908

 15.8008, 22.5885,
17.5794

 89.7007, 112.5029,
101.0920

 9.4732, 14.2899,
10.4822

 115.4906,
142.8609, 130.3295

 5.1107, 8.3226,
5.6100

145.8030,
178.2408, 164.7219

 2.3478, 4.3021,
2.5445

181.0033,
219.0271, 204.6878

 0.8189, 1.8439,
0.8636

221.4567,

 0.0000, 0.5143,

265.6042, 250.6458

0.0000

267.5287,
318.3564, 303.0142

0.0000, 0.0000,
0.0000

35.8122, 47.7167,
40.1236

35.8122, 47.7167,
40.1236

32.0798, 45.9041,
34.9695

40.2265, 49.8727,
45.7986

28.9894, 44.4107,
30.3181

45.3522, 52.3829,
52.0056

26.5028, 43.2184,
26.1547


51.2214, 55.2653,
58.7592


24.5758, 42.3047,
22.4630


57.8635, 58.5344,
66.0728


23.1579, 41.6439,
19.2252


65.3058, 62.2042,
73.9591

 22.1883, 41.2051,
16.4225

 73.5746, 66.2880,
82.4303

 21.7465, 41.0106,
14.9017

 77.1161, 67.9224,
91.2374

 78.8806, 68.6282,
100.5288

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



39.0001, 47.7167, 30.1263



35.8122, 47.7167, 40.1236



35.0776, 47.7167, 55.6500

Triad

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



35.8122, 47.7167, 40.1236



46.6256, 47.7167, 90.9484



55.0080, 47.7167, 35.0868

Complementary

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



35.8122, 47.7167, 40.1236



38.6624, 31.1418, 42.0055

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.



57.4621, 47.7167, 48.4280



35.8122, 47.7167, 40.1236



52.3614, 47.7167, 82.3866

Square

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



35.8122, 47.7167, 40.1236



41.0081, 47.7167, 87.3941



56.4543, 47.7167, 65.9106



49.9951, 47.7167, 27.6850

Rectangle

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



35.8122, 47.7167, 40.1236



36.0166, 47.7167, 67.6444



56.4543, 47.7167, 65.9106



56.1784, 47.7167, 38.9016

Sweetspot

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



35.8135, 47.7187, 40.1247



83.9843, 94.5609, 96.3855



40.8881, 50.5844, 29.0821



17.6671, 20.0883, 20.2714



0.0000, 0.0000, 0.0000



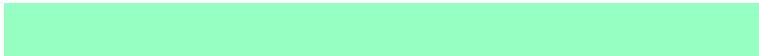
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8135, 47.7187, 40.1247



58.1741, 81.9482, 63.8734



39.1164, 49.0399, 57.5178



10.6782, 11.9602, 12.2558



14.1822, 26.6853, 9.9042



0.7075, 1.2779, 0.6583

Inverse Universe

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



38.6624, 31.1418, 42.0055



64.0150, 47.9353, 67.7099



35.8920, 30.0337, 27.4166



10.8884, 10.7387, 12.3956



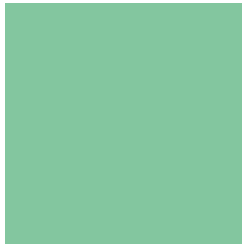
17.2108, 8.6339, 11.5858



0.8505, 0.4230, 0.7357

Previews

White Background



This preview shows how the XYZ color 35.8122, 47.7167, 40.1236 looks on a white background.

Color Contrast Check

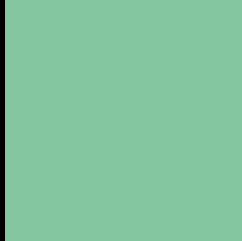
Large Text (above 18pt) WCAG AA × Fail

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 35.8122, 47.7167, 40.1236 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 35.8122, 47.7167, 40.1236

Background



This preview shows how black text looks on a background with the XYZ color 35.8122, 47.7167, 40.1236.

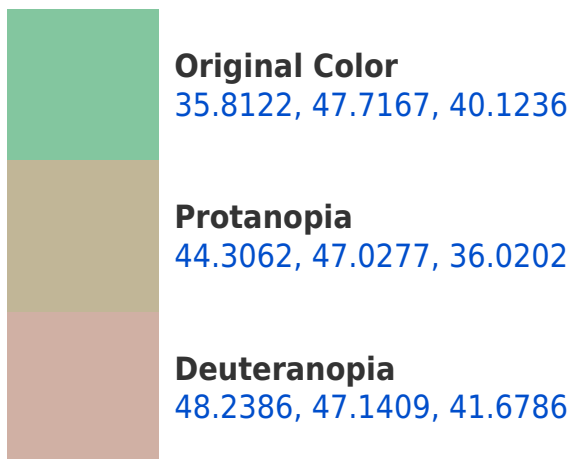


This preview shows how white text looks on a background with the XYZ color 35.8122, 47.7167,

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





Tritanopia

40.8778, 47.4293, 66.0318

Trichromacy



Original Color

35.8122, 47.7167, 40.1236

Protanomaly

40.3935, 46.8456, 37.4850

Deuteranomaly

42.4845, 46.5929, 40.9366

Tritanomaly

38.9026, 47.6196, 55.8563

Monochromacy



Original Color

35.8122, 47.7167, 40.1236

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.1955, 44.0006, 44.0160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8122, 47.7167, 40.1236 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(131, 198, 159)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 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(131, 198, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 159) }
```

Border

The CSS property to change the border of an element to XYZ 35.8122, 47.7167, 40.1236 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(131, 198, 159) }
```


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

```
.border{ border-color:rgb(131, 198, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 198, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 159);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8122, 47.7167, 40.1236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 198, 159) }
```

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

```
.background{ background-color: rgb(131,  
198, 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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