

Converting Colors

XYZ(34.7511, 47.1493, 43.9110)

Have a look what the booklet for
XYZ(34.7511, 47.1493, 43.9110)
contains.

XYZ(34.6403, 47.0297, 43.8111)	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(34.6403, 47.0297,
43.8111)**

Conversions

Conversions Part 1

Format	Color
Hex	76C6A7
RGB	118, 198, 167
RGB Percent	46%, 78%, 65%
CMY	0.5372, 0.2235, 0.3451
CMYK	0.40, 0.00, 0.16, 0.22
HSL	157°, 41%, 62%
HSV	157°, 40%, 78%
XYZ	34.6403, 47.0297, 43.8111
YIQ	170.5460, -37.7290, -26.6010

Conversions

Conversions Part 2

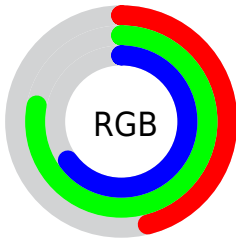
Format	Color
RYB	118, 168, 198
Decimal	7784103
CIELab	74.21, -31.68, 7.88
CIElCh	74, 32.646, 166.031
Yxy	47.0297, 0.2761, 0.3748
Android (android.graphics.Color)	4285974183 (0xFF76C6A7)
YUV	170.5460, -1.7482, -46.0828
Hunter-Lab	68.5782, -29.8477, 10.1274

Details

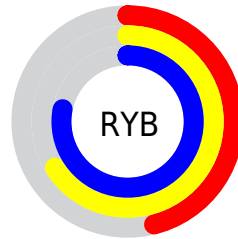
The XYZ color **34.6403, 47.0297, 43.8111** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.1935, 27.1337, 31.8179**, and the grayscale version is **38.5041, 40.5093, 44.1147**.

A 20% lighter version of the original color is **66.1784, 85.6782, 82.1568**, and **15.1821, 22.2743, 19.7188** is the 20% darker color. If you saturate the color by 10%, you get **31.5403, 45.5124, 40.0730**, and if you desaturate by 10%, it is **38.3494, 48.8586, 47.7995**.

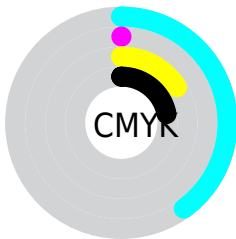
Distribution



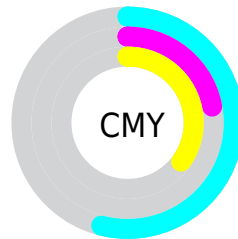
- Red (46%)
- Green (78%)
- Blue (65%)



- Red (46%)
- Yellow (66%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6403, 47.0297, 43.8111 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 34.6403, 47.0297, 43.8111 by changing the saturation by 10% instead.

■ 34.6403, 47.0297,
43.8111

■ 34.6403, 47.0297,
43.8111

314.5137,
374.9331, 377.9556

■ 23.5511, 33.0591,
30.1859

■ 66.2659, 85.7580,
82.2329

■ 15.1239, 22.1718,
19.7265

■ 87.5330, 111.2844,
107.8665

■ 8.9933, 13.9832,
12.0143

■ 112.9234,
141.4317, 138.3401

■ 4.7939, 8.1089,
6.6308

142.8026,
176.5841, 174.0722

■ 2.1603, 4.1647,
3.1573

177.5359,
217.1260, 215.4812

■ 0.7217, 1.7661,
1.1755

217.4886,

■ 0.0000, 0.4659,

263.4419, 262.9857

0.0000

263.0261,
315.9161, 317.0044

■ 0.0000, 0.0000,
0.0000

■ 34.6403, 47.0297,
43.8111

■ 34.6403, 47.0297,
43.8111

■ 31.5403, 45.5124,
40.0730

■ 38.3494, 48.8586,
47.7995

■ 29.0091, 44.2823,
36.5765

■ 42.6969, 51.0105,
52.0402

■ 27.0077, 43.3206,
33.3168


■ 47.7149, 53.5030,
56.5392


■ 25.4901, 42.6037,
30.2879


■ 53.4319, 56.3507,
61.3016

■ 24.4018, 42.1036,
27.4831


■ 59.8751, 59.5676,
66.3318

 23.6629, 41.7770,
24.9939

 67.0699, 63.1668,
71.6346

 74.4478, 66.8550,
77.1865

 75.4921, 67.2727,
82.6858

 76.5838, 67.7094,
88.4343

Harmonies

Analogous

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



37.0768, 47.0297, 31.9244



34.6403, 47.0297, 43.8111



34.7288, 47.0297, 60.6380

Triad

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



34.6403, 47.0297, 43.8111



47.8822, 47.0297, 88.8710



52.9817, 47.0297, 31.3295

Complementary

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



34.6403, 47.0297, 43.8111



35.1935, 27.1337, 31.8179

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.



56.4182, 47.0297, 42.8090



34.6403, 47.0297, 43.8111



53.3031, 47.0297, 77.0150

Square

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



34.6403, 47.0297, 43.8111



42.0371, 47.0297, 89.3053



56.5408, 47.0297, 59.3924



47.4737, 47.0297, 25.8570

Rectangle

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



34.6403, 47.0297, 43.8111



36.1993, 47.0297, 72.6127



56.5408, 47.0297, 59.3924



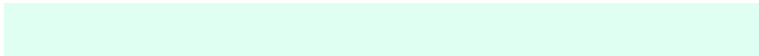
54.4377, 47.0297, 34.4856

Sweetspot

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



34.6416, 47.0316, 43.8122



82.8237, 93.9109, 98.6678



36.0432, 48.1822, 24.5406



17.4667, 19.9711, 20.8895



0.0000, 0.0000, 0.0000



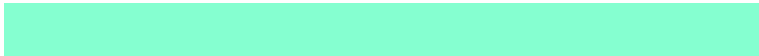
20.3446, 21.4041, 23.3091

Same Dimension

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



34.6416, 47.0316, 43.8122



56.7019, 81.0069, 72.0435



36.0792, 44.7575, 60.1658



10.7658, 11.9952, 12.7170



15.4309, 27.1847, 16.4796



0.7654, 1.3011, 0.9631

Inverse Universe

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



35.1935, 27.1337, 31.8179



57.8144, 41.2223, 48.1068



34.0209, 28.2366, 20.7973



10.8012, 10.7039, 11.9362



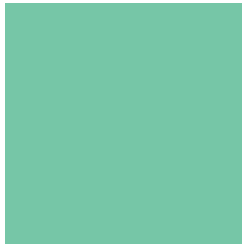
16.0493, 8.1693, 5.4692



0.7953, 0.4010, 0.4451

Previews

White Background



This preview shows how the XYZ color 34.6403, 47.0297, 43.8111 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 34.6403, 47.0297, 43.8111 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 34.6403, 47.0297, 43.8111

Background



This preview shows how black text looks on a background with the XYZ color 34.6403, 47.0297, 43.8111.

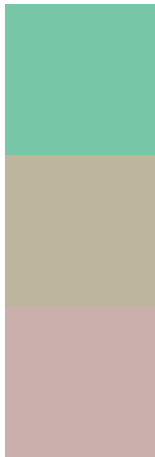


This preview shows how white text looks on a background with the XYZ color 34.6403, 47.0297,

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

34.6403, 47.0297, 43.8111

Protanopia

43.9306, 46.4635, 39.0007

Deuteranopia

47.4050, 46.3350, 45.4748



Tritanopia

39.1369, 46.8425, 66.6533

Trichromacy



Original Color

34.6403, 47.0297, 43.8111



Protanomaly

39.5132, 46.0064, 40.5158



Deuteranomaly

41.2024, 45.5399, 44.6487



Tritanomaly

37.2296, 46.7189, 57.5075

Monochromacy



Original Color

34.6403, 47.0297, 43.8111



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.7285, 42.6254, 44.3219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6403, 47.0297, 43.8111 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(118, 198, 167)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 167)  
}
```

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(118, 198, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 167) }
```

Border

The CSS property to change the border of an element to XYZ 34.6403, 47.0297, 43.8111 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(118, 198, 167) }
```


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

```
.border{ border-color:rgb(118, 198, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 198, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 198, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 198, 167);  
box-shadow:4px 4px 4px 4px rgb(118, 198,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6403, 47.0297, 43.8111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 167) }
```

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

```
.background{ background-color: rgb(118,  
198, 167) }
```

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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