

Converting Colors

XYZ(34.7640, 47.5683, 47.6493)

Have a look what the booklet for
XYZ(34.7640, 47.5683, 47.6493)
contains.

XYZ(34.9477, 47.7832, 47.9386)	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(34.9477, 47.7832,
47.9386)**

Conversions

Conversions Part 1

Format	Color
Hex	6FC8AF
RGB	111, 200, 175
RGB Percent	44%, 78%, 69%
CMY	0.5647, 0.2157, 0.3137
CMYK	0.44, 0.00, 0.13, 0.22
HSL	163°, 45%, 61%
HSV	163°, 44%, 78%
XYZ	34.9477, 47.7832, 47.9386
YIQ	170.5390, -45.0190, -26.6430

Conversions

Conversions Part 2

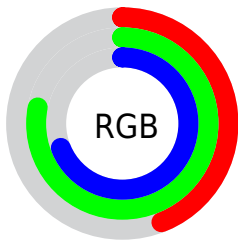
Format	Color
RYB	111, 163, 200
Decimal	7325871
CIELab	74.69, -32.69, 4.21
CIElCh	75, 32.963, 172.664
Yxy	47.7832, 0.2675, 0.3657
Android (android.graphics.Color)	4285515951 (0xFF6FC8AF)
YUV	170.5390, 2.1993, -52.2157
Hunter-Lab	69.1254, -30.7253, 7.2700

Details

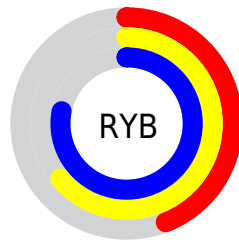
The XYZ color **34.9477, 47.7832, 47.9386** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9494, 25.4271, 26.4130**, and the grayscale version is **38.4842, 40.4884, 44.0919**.

A 20% lighter version of the original color is **65.9793, 85.4487, 87.8787**, and **15.3754, 22.7721, 22.3240** is the 20% darker color. If you saturate the color by 10%, you get **32.1672, 46.4135, 44.9883**, and if you desaturate by 10%, it is **38.3172, 49.4564, 51.0385**.

Distribution



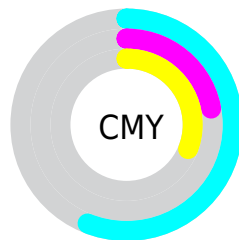
- Red (44%)
- Green (78%)
- Blue (69%)



- Red (44%)
- Yellow (64%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)



- Cyan (56%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9477, 47.7832, 47.9386 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 34.9477, 47.7832, 47.9386 by changing the saturation by 10% instead.


 34.9477, 47.7832,
47.9386


 34.9477, 47.7832,
47.9386


315.8495,
377.9321, 395.0504


 23.7889, 33.6552,
33.4186


 66.7393, 86.8815,
88.4776

 15.3010, 22.6289,
22.1736


 88.1028, 112.6207,
115.3337

 9.1186, 14.3197,
13.7850


 113.5986,
142.9990, 147.1388

 4.8763, 8.3434,
7.8342

143.5921,
178.4009, 184.3117

 2.2089, 4.3154,
3.9028

178.4485,
219.2108, 227.2707

 0.7474, 1.8515,
1.5722

218.5334,

 0.0000, 0.5190,

265.8130, 276.4345

0.2708

264.2119,
318.5920, 332.2215

■ 0.0000, 0.0000,
0.0000

■ 34.9477, 47.7832,
47.9386

■ 34.9477, 47.7832,
47.9386

■ 32.1672, 46.4135,
44.9883

■ 38.3172, 49.4564,
51.0385

■ 29.9334, 45.3217,
42.1809

■ 42.3066, 51.4452,
54.2876

■ 28.2046, 44.4877,
39.5142


■ 46.9492, 53.7680,
57.6899


■ 26.9310, 43.8859,
36.9843

■ 52.2747, 56.4402,
61.2483


■ 26.0525, 43.4851,
34.5868


■ 58.3111, 59.4761,
64.9654

 25.6753, 43.3183,
33.3210

 65.0848, 62.8892,
68.8436

 72.6207, 66.6924,
72.8856

 74.8067, 67.7348,
76.8065

 75.5633, 68.0375,
80.7910

Harmonies

Analogous

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



36.8802, 47.7832, 34.5145



34.9477, 47.7832, 47.9386



35.6180, 47.7832, 65.7649

Triad

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



34.9477, 47.7832, 47.9386



49.9891, 47.7832, 88.6811



52.7470, 47.7832, 30.0057

Complementary

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



34.9477, 47.7832, 47.9386



33.9494, 25.4271, 26.4130

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.



56.8650, 47.7832, 40.3507



34.9477, 47.7832, 47.9386



55.1778, 47.7832, 74.6440

Square

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



34.9477, 47.7832, 47.9386



43.9653, 47.7832, 91.9622



57.7914, 47.7832, 56.3431



46.8993, 47.7832, 25.7406

Rectangle

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



34.9477, 47.7832, 47.9386



37.4810, 47.7832, 77.6649



57.7914, 47.7832, 56.3431



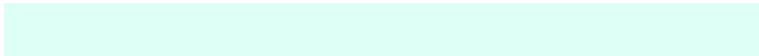
54.3997, 47.7832, 32.7625

Sweetspot

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



34.9490, 47.7851, 47.9397



82.4249, 93.6606, 100.6716



33.7136, 47.7106, 22.4720



17.2281, 19.8397, 21.2589



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.



34.9490, 47.7851, 47.9397



56.0137, 80.5139, 78.2572



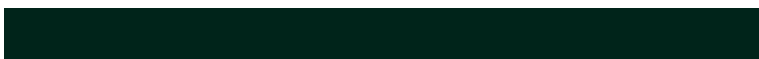
33.4487, 40.4840, 60.6970



10.8147, 12.0148, 12.9745



16.3645, 27.5582, 21.3957



0.8046, 1.3168, 1.1699

Inverse Universe

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



33.9494, 25.4271, 26.4130



54.0942, 37.1192, 36.5785



34.7106, 29.4692, 18.8985



10.7543, 10.6851, 11.6894



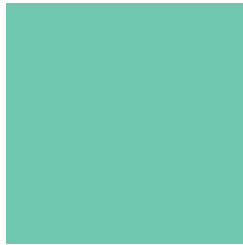
15.6354, 8.0037, 3.2897



0.7721, 0.3917, 0.3229

Previews

White Background



This preview shows how the XYZ color 34.9477, 47.7832, 47.9386 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 34.9477, 47.7832, 47.9386 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 34.9477, 47.7832, 47.9386

Background



This preview shows how black text looks on a background with the XYZ color 34.9477, 47.7832, 47.9386.

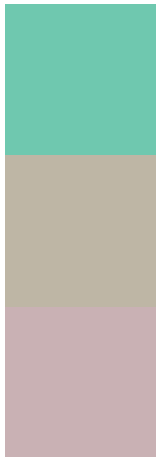


This preview shows how white text looks on a background with the XYZ color 34.9477, 47.7832,

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

34.9477, 47.7832, 47.9386

Protanopia

44.7547, 47.1197, 42.3335

Deuteranopia

48.0478, 47.1571, 49.7499



Tritanopia

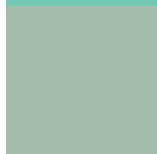
39.1581, 47.7983, 68.7902

Trichromacy



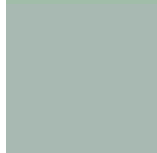
Original Color

34.9477, 47.7832, 47.9386



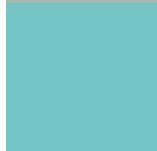
Protanomaly

40.0570, 46.8368, 44.4653



Deuteranomaly

41.5333, 46.2371, 48.8551



Tritanomaly

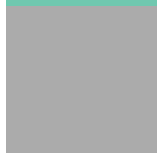
37.4954, 47.7916, 60.6746

Monochromacy



Original Color

34.9477, 47.7832, 47.9386



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.5688, 42.8240, 45.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9477, 47.7832, 47.9386 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(111, 200, 175)` looks like.

```
.text, #text, p{  
    color:rgb(111, 200, 175)  
}
```

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(111, 200, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 200, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.9477, 47.7832, 47.9386 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(111, 200, 175) }
```


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

```
.border{ border-color:rgb(111, 200, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 200, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 200, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 200, 175);  
box-shadow:4px 4px 4px 4px rgb(111, 200,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9477, 47.7832, 47.9386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 200, 175) }
```

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

```
.background{ background-color: rgb(111,  
200, 175) }
```

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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