

Converting Colors

XYZ(35.4257, 44.0453, 47.4660)

Have a look what the booklet for
XYZ(35.4257, 44.0453, 47.4660)
contains.

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Color

**XYZ(35.4926, 44.0876,
47.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	85BCB0
RGB	133, 188, 176
RGB Percent	52%, 74%, 69%
CMY	0.4784, 0.2627, 0.3098
CMYK	0.29, 0.00, 0.06, 0.26
HSL	167°, 29%, 63%
HSV	167°, 29%, 74%
XYZ	35.4926, 44.0876, 47.7134
YIQ	170.1870, -28.9280, -15.3920

Conversions

Conversions Part 2

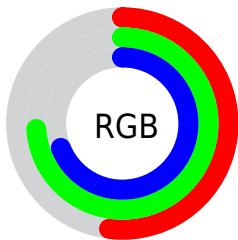
Format	Color
RYB	133, 164, 188
Decimal	8764592
CIELab	72.29, -20.49, 0.31
CIELCh	72, 20.494, 179.140
Yxy	44.0876, 0.2788, 0.3463
Android (android.graphics.Color)	4286954672 (0xFF85BCB0)
YUV	170.1870, 2.8658, -32.6130
Hunter-Lab	66.3985, -20.7821, 3.8736

Details

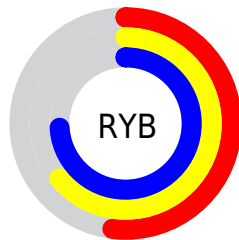
The XYZ color **35.4926, 44.0876, 47.7134** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.2390, 29.5120, 30.6817**, and the grayscale version is **38.2993, 40.2938, 43.8799**.

A 20% lighter version of the original color is **67.6552, 81.2189, 88.4549**, and **15.6954, 20.5325, 22.2047** is the 20% darker color. If you saturate the color by 10%, you get **32.3864, 42.5337, 45.4817**, and if you desaturate by 10%, it is **39.1448, 45.9239, 50.0366**.

Distribution



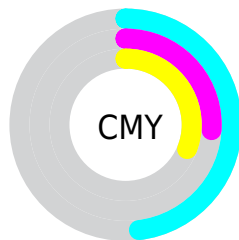
- Red (52%)
- Green (74%)
- Blue (69%)



- Red (52%)
- Yellow (64%)
- Blue (74%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)



- Cyan (48%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4926, 44.0876, 47.7134 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 35.4926, 44.0876, 47.7134 by changing the saturation by 10% instead.

■ 35.4926, 44.0876,
47.7134

■ 35.4926, 44.0876,
47.7134

318.2074,
363.0656, 394.1309

■ 24.2109, 30.7394,
33.2416

■ 67.5772, 81.3495,
88.1386

■ 15.6157, 20.4005,
22.0390

■ 89.1108, 106.0321,
114.9291

■ 9.3417, 12.6865,
13.6869

■ 114.7923,
135.2615, 146.6630

■ 5.0236, 7.2130,
7.7670

144.9872,
169.4222, 183.7587

■ 2.2960, 3.5957,
3.8606

180.0608,
208.8985, 226.6348

■ 0.7926, 1.4501,
1.5492

220.3785,

■ 0.0000, 0.2532,

254.0750, 275.7098

0.2542

266.3055,
305.3359, 331.4023

■ 0.0000, 0.0000,
0.0000

■ 35.4926, 44.0876,
47.7134

■ 35.4926, 44.0876,
47.7134

■ 32.3864, 42.5337,
45.4817

■ 39.1448, 45.9239,
50.0366

■ 29.7941, 41.2420,
43.3365

■ 43.3657, 48.0508,
52.4501

■ 27.6857, 40.1985,
41.2770

■ 48.1810, 50.4827,
54.9566

■ 26.0268, 39.3854,
39.3008

■ 53.6139, 53.2315,
57.5576

■ 24.7782, 38.7824,
37.4057

■ 59.6863, 56.3086,
60.2548

■ 23.8939, 38.3658,
35.5887

■ 66.4191, 59.7246,
63.0497

■ 23.2903, 38.0925,
33.8456

■ 70.2096, 61.6223,
65.7741

■ 23.2487, 38.0739,
33.7183

■ 70.7106, 61.8227,
68.4123

■ 71.2247, 62.0283,
71.1193

Harmonies

Analogous

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



36.3569, 44.0876, 38.7294



35.4926, 44.0876, 47.7134



36.2645, 44.0876, 58.0777

Triad

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



35.4926, 44.0876, 47.7134



45.2878, 44.0876, 67.0084



45.4734, 44.0876, 33.2095

Complementary

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



35.4926, 44.0876, 47.7134



34.2390, 29.5120, 30.6817

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.



48.0997, 44.0876, 39.1680



35.4926, 44.0876, 47.7134



47.9883, 44.0876, 58.6520

Square

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



35.4926, 44.0876, 47.7134



41.8024, 44.0876, 70.1177



49.0443, 44.0876, 48.2956



42.0057, 44.0876, 31.1098

Rectangle

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



35.4926, 44.0876, 47.7134



37.6291, 44.0876, 64.2118



49.0443, 44.0876, 48.2956



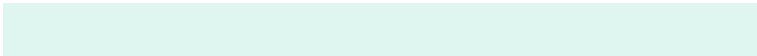
46.4909, 44.0876, 34.7823

Sweetspot

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



35.4939, 44.0894, 47.7144



78.6789, 87.1258, 95.1022



34.0427, 43.7575, 28.8430



16.6651, 18.6077, 20.3119



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.4939, 44.0894, 47.7144



60.6554, 78.0637, 83.8966



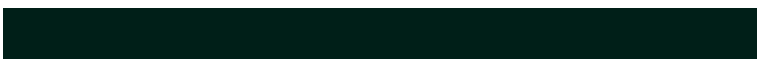
33.7589, 38.6342, 53.2569



9.7170, 10.7729, 11.7593



15.8567, 25.9330, 23.1062



0.6437, 1.0248, 1.0238

Inverse Universe

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



34.2390, 29.5120, 30.6817



58.0227, 47.4211, 48.1182



35.5119, 33.4616, 26.7782



9.6131, 9.5695, 10.3517



14.4162, 7.3976, 2.2196



0.5897, 0.2998, 0.2185

Previews

White Background



This preview shows how the XYZ color 35.4926, 44.0876, 47.7134 looks on a white background.

Color Contrast Check

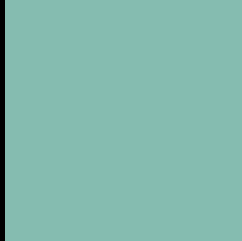
Large Text (above 18pt) WCAG AA × Fail

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 35.4926, 44.0876, 47.7134 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 35.4926, 44.0876, 47.7134

Background



This preview shows how black text looks on a background with the XYZ color 35.4926, 44.0876, 47.7134.



This preview shows how white text looks on a background with the XYZ color 35.4926, 44.0876,

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

35.4926, 44.0876, 47.7134

Protanopia

41.7428, 43.7390, 43.7785

Deuteranopia

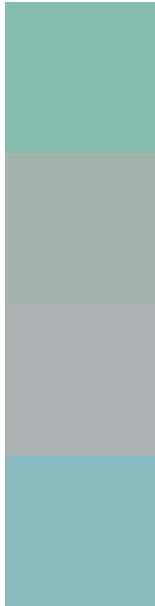
44.5394, 43.6276, 49.2535



Tritanopia

38.1390, 44.2247, 60.5589

Trichromacy



Original Color

35.4926, 44.0876, 47.7134

Protanomaly

39.0775, 43.5136, 45.3691

Deuteranomaly

40.6534, 43.3569, 48.8739

Tritanomaly

37.1162, 44.1136, 55.8488

Monochromacy



Original Color

35.4926, 44.0876, 47.7134

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.0732, 41.5909, 45.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4926, 44.0876, 47.7134 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(133, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(133, 188, 176)  
}
```

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(133, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 188, 176) }
```

Border

The CSS property to change the border of an element to XYZ 35.4926, 44.0876, 47.7134 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(133, 188, 176) }
```


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

```
.border{ border-color:rgb(133, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 188, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 188, 176);  
box-shadow:4px 4px 4px 4px rgb(133, 188,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4926, 44.0876, 47.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 188, 176) }
```

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

```
.background{ background-color: rgb(133,  
188, 176) }
```

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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