

Converting Colors

XYZ(35.9670, 45.2254, 42.9750)

Have a look what the booklet for
XYZ(35.9670, 45.2254, 42.9750)
contains.

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Color

**XYZ(35.7776, 44.9834,
42.8734)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABEA6
RGB	138, 190, 166
RGB Percent	54%, 75%, 65%
CMY	0.4588, 0.2549, 0.3490
CMYK	0.27, 0.00, 0.13, 0.25
HSL	152°, 29%, 64%
HSV	152°, 27%, 75%
XYZ	35.7776, 44.9834, 42.8734
YIQ	171.7160, -23.2880, -18.4880

Conversions

Conversions Part 2

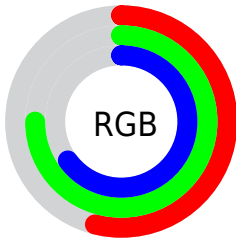
Format	Color
RYB	138, 172, 190
Decimal	9092774
CIELab	72.88, -22.09, 6.65
CIELCh	73, 23.071, 163.241
Yxy	44.9834, 0.2894, 0.3638
Android (android.graphics.Color)	4287282854 (0xFF8ABEA6)
YUV	171.7160, -2.8180, -29.5689
Hunter-Lab	67.0697, -22.1530, 9.0484

Details

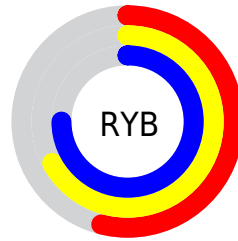
The XYZ color **35.7776, 44.9834, 42.8734** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8468, 31.7338, 38.3674**, and the grayscale version is **39.0923, 41.1282, 44.7886**.

A 20% lighter version of the original color is **67.7451, 82.3385, 80.7290**, and **15.6792, 20.8017, 19.1083** is the 20% darker color. If you saturate the color by 10%, you get **32.1278, 43.1929, 38.6458**, and if you desaturate by 10%, it is **40.0347, 47.0831, 47.4177**.

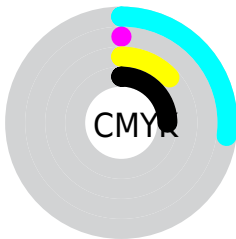
Distribution



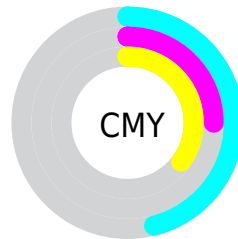
- Red (54%)
- Green (75%)
- Blue (65%)



- Red (54%)
- Yellow (67%)
- Blue (75%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)



- Cyan (46%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7776, 44.9834, 42.8734 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 35.7776, 44.9834, 42.8734 by changing the saturation by 10% instead.


 35.7776, 44.9834,
42.8734


 35.7776, 44.9834,
42.8734


319.4356,
366.7063, 373.9968


 24.4318, 31.4444,
29.4551


 68.0148, 82.6955,
80.8041

 15.7807, 20.9374,
19.1769


 89.6369, 107.6373,
106.1536

 9.4590, 13.0783,
11.6200


 115.4151,
137.1489, 136.3172

 5.1012, 7.4825,
6.3661

145.7148,
171.6146, 171.7136

 2.3422, 3.7656,
2.9966

180.9013,
211.4188, 212.7612

 0.8161, 1.5433,
1.0929

221.3401,

 0.0000, 0.3189,

256.9459, 259.8785

0.0000

267.3964,
308.5802, 313.4842

■ 0.0000, 0.0000,
0.0000

■ 35.7776, 44.9834,
42.8734

■ 35.7776, 44.9834,
42.8734

■ 32.1278, 43.1929,
38.6458

■ 40.0347, 47.0831,
47.4177

■ 29.0518, 41.6908,
34.7249

■ 44.9230, 49.5005,
52.2825

■ 26.5186, 40.4624,
31.1044

■ 50.4696, 52.2507,
57.4755

■ 24.4924, 39.4894,
27.7764

■ 56.6989, 55.3461,
63.0028

■ 22.9328, 38.7511,
24.7329

■ 63.6340, 58.7986,
68.8708

■ 21.7932, 38.2237,
21.9652

■ 71.2968, 62.6193,
75.0853

■ 21.0068, 37.8729,
19.4634

■ 73.5734, 63.6563,
81.3651

■ 20.8278, 37.7940,
18.8472

■ 74.8180, 64.1541,
87.9188

■ 76.1251, 64.6770,
94.8021

Harmonies

Analogous

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



37.6791, 44.9834, 34.5670



35.7776, 44.9834, 42.8734



35.6687, 44.9834, 54.2227

Triad

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



35.7776, 44.9834, 42.8734



44.5490, 44.9834, 73.8224



48.6327, 44.9834, 35.3340

Complementary

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



35.7776, 44.9834, 42.8734



36.8468, 31.7338, 38.3674

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.



50.7235, 44.9834, 44.0853



35.7776, 44.9834, 42.8734



48.2682, 44.9834, 66.9263

Square

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



35.7776, 44.9834, 42.8734



40.5665, 44.9834, 73.3611



50.5861, 44.9834, 55.6390



45.0216, 44.9834, 30.7043

Rectangle

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



35.7776, 44.9834, 42.8734



36.6150, 44.9834, 62.1334



50.5861, 44.9834, 55.6390



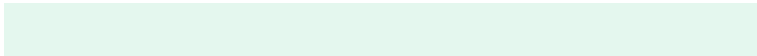
49.5465, 44.9834, 37.8265

Sweetspot

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



35.7788, 44.9853, 42.8744



80.6885, 89.3440, 94.0483



37.9569, 46.3733, 30.9956



17.4082, 19.4655, 20.3501



92.9021, 97.7402, 106.4391



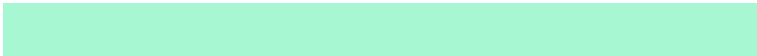
19.4759, 20.4902, 22.3138

Same Dimension

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



35.7788, 44.9853, 42.8744



60.6285, 79.4500, 72.9005



37.8172, 45.2034, 55.4494



9.6178, 10.7332, 11.2366



13.8887, 25.1457, 12.7424



0.5767, 0.9981, 0.6713

Inverse Universe

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



36.8468, 31.7338, 38.3674



62.8947, 51.3411, 63.3449



35.1631, 31.4614, 28.2646



9.7084, 9.6077, 10.8535



15.3219, 7.7599, 6.9889



0.6332, 0.3172, 0.4477

Previews

White Background



This preview shows how the XYZ color 35.7776, 44.9834, 42.8734 looks on a white background.

Color Contrast Check

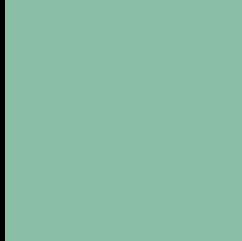
Large Text (above 18pt) WCAG AA × Fail

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 35.7776, 44.9834, 42.8734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

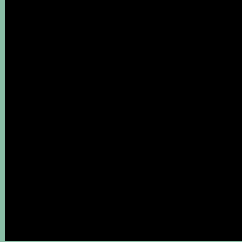
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7776, 44.9834, 42.8734

Background



This preview shows how black text looks on a background with the XYZ color 35.7776, 44.9834, 42.8734.



This preview shows how white text looks on a background with the XYZ color 35.7776, 44.9834,

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

35.7776, 44.9834, 42.8734

Protanopia

42.4281, 44.7831, 39.2087

Deuteranopia

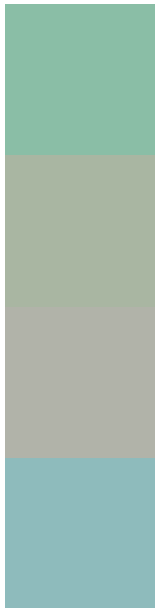
45.5614, 44.5494, 44.2278



Tritanopia

39.4513, 44.8878, 61.2285

Trichromacy



Original Color

35.7776, 44.9834, 42.8734

Protanomaly

39.6117, 44.4995, 40.6839

Deuteranomaly

41.4130, 44.4519, 43.9335

Tritanomaly

38.0028, 44.9223, 54.2449

Monochromacy



Original Color

35.7776, 44.9834, 42.8734

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8730, 42.6161, 44.2598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7776, 44.9834, 42.8734 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(138, 190, 166)` looks like.

```
.text, #text, p{  
    color:rgb(138, 190, 166)  
}
```

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(138, 190, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 190, 166) }
```

Border

The CSS property to change the border of an element to XYZ 35.7776, 44.9834, 42.8734 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(138, 190, 166) }
```


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

```
.border{ border-color:rgb(138, 190, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 190, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 190, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 190, 166);  
box-shadow:4px 4px 4px 4px rgb(138, 190,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7776, 44.9834, 42.8734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 190, 166) }
```

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

```
.background{ background-color: rgb(138,  
190, 166) }
```

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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