

Converting Colors

XYZ(35.8168, 43.2289, 52.4667)

Have a look what the booklet for
XYZ(35.8168, 43.2289, 52.4667)
contains.

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Color

**XYZ(35.7788, 43.1873,
52.3492)**

Conversions

Conversions Part 1

Format	Color
Hex	85B9B9
RGB	133, 185, 185
RGB Percent	52%, 73%, 73%
CMY	0.4784, 0.2745, 0.2745
CMYK	0.28, 0.00, 0.00, 0.27
HSL	180°, 27%, 62%
HSV	180°, 28%, 73%
XYZ	35.7788, 43.1873, 52.3492
YIQ	169.4520, -30.9920, -11.0240

Conversions

Conversions Part 2

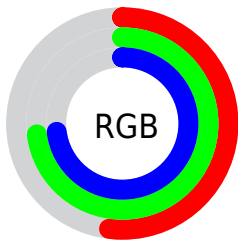
Format	Color
R_{YB}	133, 159, 185
Decimal	8763833
CIE _{Lab}	71.68, -16.92, -5.50
CIE _{LCh}	72, 17.791, 198.022
Yxy	43.1873, 0.2725, 0.3289
Android (android.graphics.Color)	4286953913 (0xFF85B9B9)
YUV	169.4520, 7.6652, -31.9684
Hunter-Lab	65.7170, -17.8228, -1.2276

Details

The XYZ color **35.7788, 43.1873, 52.3492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6303, 28.7840, 26.0281**, and the grayscale version is **37.9112, 39.8855, 43.4353**.

A 20% lighter version of the original color is **68.0715, 79.9528, 95.0638**, and **15.8095, 19.9178, 24.8411** is the 20% darker color. If you saturate the color by 10%, you get **33.1117, 41.8134, 52.2248**, and if you desaturate by 10%, it is **38.9629, 44.8299, 52.4996**.

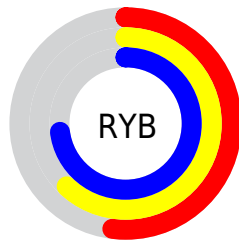
Distribution



Red (52%)

Green (73%)

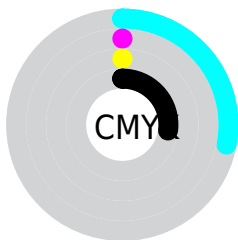
Blue (73%)



Red (52%)

Yellow (62%)

Blue (73%)

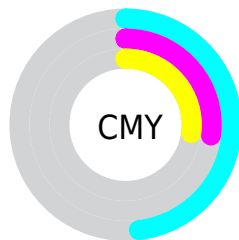


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7788, 43.1873, 52.3492 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 35.7788, 43.1873, 52.3492 by changing the saturation by 10% instead.

■ 35.7788, 43.1873,
52.3492

■ 35.7788, 43.1873,
52.3492

319.4408,
359.3815, 412.7785

■ 24.4327, 30.0321,
36.8993

■ 68.0166, 79.9934,
95.0779

■ 15.7814, 19.8630,
24.8344

■ 89.6391, 104.4131,
123.1937

■ 9.4595, 12.2955,
15.7358

■ 115.4177,
133.3565, 156.3687

■ 5.1016, 6.9452,
9.1851

145.7178,
167.2079, 195.0212

■ 2.3423, 3.4279,
4.7636

180.9049,
206.3516, 239.5699

■ 0.8162, 1.3590,
2.0530

221.3441,

■ 0.0000, 0.1862,

251.1723, 290.4334

0.5876

267.4010,
302.0541, 348.0300

■ 0.0000, 0.0000,
0.0000

■ 35.7788, 43.1873,
52.3492

■ 35.7788, 43.1873,
52.3492

■ 33.1117, 41.8134,
52.2248

■ 38.9629, 44.8299,
52.4996

■ 30.9307, 40.6891,
52.1223

■ 42.6852, 46.7488,
52.6743

■ 29.2077, 39.8009,
52.0412

■ 46.9704, 48.9578,
52.8753

■ 27.9102, 39.1320,
51.9800

■ 51.8404, 51.4684,
53.1036

■ 27.0010, 38.6633,
51.9370

■ 57.3160, 54.2912,
53.3604

■ 26.4372, 38.3727,
51.9102

■ 63.4172, 57.4364,
53.6463

■ 26.1500, 38.2246,
51.8963

■ 67.3474, 59.4626,
53.8307

■ 26.1062, 38.2021,
51.8941

■ 67.3475, 59.4626,
53.8312

■ 67.3476, 59.4626,
53.8317

Harmonies

Analogous

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



35.6347, 43.1873, 43.6615



35.7788, 43.1873, 52.3492



37.2918, 43.1873, 60.4767

Triad

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



35.7788, 43.1873, 52.3492



45.5102, 43.1873, 59.0248



42.2631, 43.1873, 32.5811

Complementary

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



35.7788, 43.1873, 52.3492



32.6303, 28.7840, 26.0281

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.



45.0488, 43.1873, 35.7300



35.7788, 43.1873, 52.3492



46.9841, 43.1873, 50.5540

Square

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



35.7788, 43.1873, 52.3492



42.8679, 43.1873, 64.6438



46.8112, 43.1873, 42.0721



39.2808, 43.1873, 32.9371

Rectangle

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



35.7788, 43.1873, 52.3492



38.9167, 43.1873, 64.1603



46.8112, 43.1873, 42.0721



43.2562, 43.1873, 33.2472

Sweetspot

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



35.7801, 43.1890, 52.3502



76.4294, 83.7146, 94.3342



31.3942, 41.4506, 28.5373



16.2474, 17.9290, 20.3257



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.7801, 43.1890, 52.3502



60.8953, 75.7065, 93.6050



30.9788, 33.5861, 50.7510



9.2667, 10.2107, 11.5618



17.7752, 26.0110, 35.3337



0.6266, 0.9170, 1.2456

Inverse Universe

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



32.6303, 28.7840, 26.0281



54.2840, 45.4712, 38.3564



36.4924, 36.5085, 27.3146



9.0047, 9.0122, 9.3719



13.6234, 7.0231, 0.6378



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 35.7788, 43.1873, 52.3492 looks on a white background.

Color Contrast Check

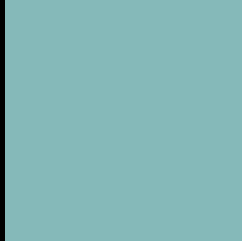
Large Text (above 18pt) WCAG AA × Fail

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 35.7788, 43.1873, 52.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

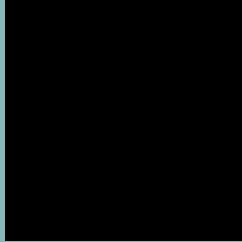
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7788, 43.1873, 52.3492

Background



This preview shows how black text looks on a background with the XYZ color 35.7788, 43.1873, 52.3492.



This preview shows how white text looks on a background with the XYZ color 35.7788, 43.1873,

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

35.7788, 43.1873, 52.3492

Protanopia

41.4042, 42.8739, 48.7411

Deuteranopia

43.7015, 42.8194, 53.5386



Tritanopia

37.2799, 43.1784, 59.7955

Trichromacy



Original Color

35.7788, 43.1873, 52.3492

Protanomaly

38.9588, 42.7541, 49.9151

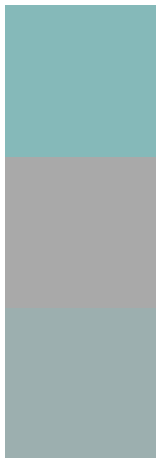
Deuteranomaly

40.2360, 42.4633, 53.0893

Tritanomaly

36.7578, 43.2821, 56.8690

Monochromacy



Original Color

35.7788, 43.1873, 52.3492

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.7781, 40.8230, 46.4987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7788, 43.1873, 52.3492 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, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 185, 185)  
}
```

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, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 185, 185) }
```

Border

The CSS property to change the border of an element to XYZ 35.7788, 43.1873, 52.3492 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, 185, 185) }
```


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

```
.border{ border-color:rgb(133, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 185,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7788, 43.1873, 52.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 185, 185) }
```

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

```
.background{ background-color: rgb(133,  
185, 185) }
```

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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