

Converting Colors

XYZ(33.8832, 41.7106, 46.8490)

Have a look what the booklet for
XYZ(33.8832, 41.7106, 46.8490)
contains.

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Color

**XYZ(33.8773, 41.7079,
46.8224)**

Conversions

Conversions Part 1

Format	Color
Hex	82B7AF
RGB	130, 183, 175
RGB Percent	51%, 72%, 69%
CMY	0.4902, 0.2823, 0.3137
CMYK	0.29, 0.00, 0.04, 0.28
HSL	171°, 27%, 61%
HSV	171°, 29%, 72%
XYZ	33.8773, 41.7079, 46.8224
YIQ	166.2410, -29.0200, -13.7240

Conversions

Conversions Part 2

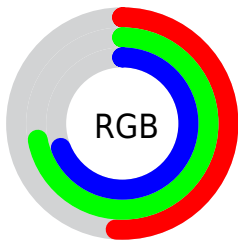
Format	Color
RYB	130, 159, 183
Decimal	8566703
CIELab	70.67, -19.06, -1.53
CIElCh	71, 19.126, 184.589
Yxy	41.7079, 0.2768, 0.3407
Android (android.graphics.Color)	4286756783 (0xFF82B7AF)
YUV	166.2410, 4.3182, -31.7834
Hunter-Lab	64.5817, -19.3830, 2.2213

Details

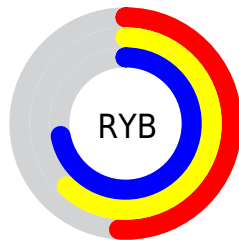
The XYZ color **33.8773, 41.7079, 46.8224** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.1000, 27.8687, 27.7338**, and the grayscale version is **36.3528, 38.2460, 41.6499**.

A 20% lighter version of the original color is **64.9166, 77.6365, 86.4268**, and **14.6997, 19.0150, 21.6344** is the 20% darker color. If you saturate the color by 10%, you get **31.0478, 40.2813, 45.2886**, and if you desaturate by 10%, it is **37.2140, 43.3974, 48.4107**.

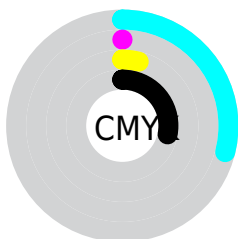
Distribution



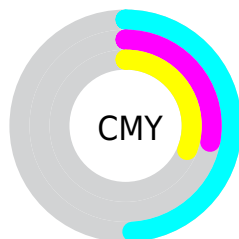
- Red (51%)
- Green (72%)
- Blue (69%)



- Red (51%)
- Yellow (62%)
- Blue (72%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (49%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8773, 41.7079, 46.8224 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 33.8773, 41.7079, 46.8224 by changing the saturation by 10% instead.

■ 33.8773, 41.7079,
46.8224

■ 33.8773, 41.7079,
46.8224

311.1801,
353.2706, 390.4784

■ 22.9618, 28.8726,
32.5419

■ 65.0884, 77.7574,
86.7957

■ 14.6858, 18.9845,
21.5075

■ 86.1147, 101.7403,
113.3255

■ 8.6841, 11.6591,
13.3006

■ 111.2419,
130.2080, 144.7757

■ 4.5911, 6.5120,
7.5027

140.8355,
163.5448, 181.5645

■ 2.0417, 3.1588,
3.6953

175.2607,
202.1350, 224.1107

■ 0.6572, 1.2152,
1.4597

214.8830,

■ 0.0000, 0.0741,

246.3632, 272.8327

0.1876

260.0677,
296.6136, 328.1491

■ 0.0000, 0.0000,
0.0000

■ 33.8773, 41.7079,
46.8224

■ 33.8773, 41.7079,
46.8224

■ 31.0478, 40.2813,
45.2886

■ 37.2140, 43.3974,
48.4107

■ 28.6953, 39.0990,
43.8051

■ 41.0789, 45.3575,
50.0520

■ 26.7923, 38.1477,
42.3712

■ 45.4960, 47.6017,
51.7484

■ 25.3065, 37.4109,
40.9854

■ 50.4869, 50.1410,
53.5013

■ 24.2016, 36.8698,
39.6456

■ 56.0721, 52.9859,
55.3115

■ 23.4349, 36.5024,
38.3499

■ 62.2709, 56.1466,
57.1803

■ 22.9300, 36.2694,
37.0943

■ 67.9503, 59.0388,
59.0548

■ 22.8820, 36.2475,
36.9657

■ 68.2643, 59.1644,
60.7084

■ 68.5841, 59.2923,
62.3925

Harmonies

Analogous

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



34.3928, 41.7079, 38.3336



33.8773, 41.7079, 46.8224



34.8379, 41.7079, 56.0488

Triad

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



33.8773, 41.7079, 46.8224



43.2001, 41.7079, 61.3342



42.3127, 41.7079, 31.4128

Complementary

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



33.8773, 41.7079, 46.8224



32.1000, 27.8687, 27.7338

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.



44.8689, 41.7079, 36.2154



33.8773, 41.7079, 46.8224



45.4001, 41.7079, 53.3140

Square

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



33.8773, 41.7079, 46.8224



40.1313, 41.7079, 65.1068



46.0264, 41.7079, 44.0318



39.1569, 41.7079, 30.1542

Rectangle

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



33.8773, 41.7079, 46.8224



36.2177, 41.7079, 61.1592



46.0264, 41.7079, 44.0318



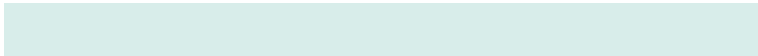
43.2759, 41.7079, 32.6317

Sweetspot

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



33.8785, 41.7096, 46.8233



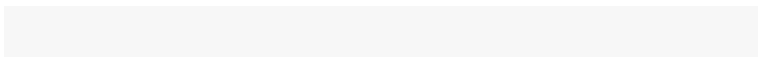
73.4303, 81.1611, 89.5829



31.5837, 40.9550, 27.3605



15.9835, 17.8067, 19.6904



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.



33.8785, 41.7096, 46.8233



57.2208, 72.9552, 82.0275



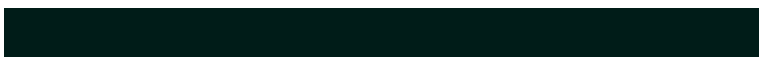
31.2698, 35.1969, 49.9472



9.2068, 10.1867, 11.2465



15.9824, 25.2939, 25.8931



0.5794, 0.8981, 0.9969

Inverse Universe

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



32.1000, 27.8687, 27.7338



53.5005, 43.9684, 42.0708



34.0968, 32.7557, 25.6454



9.0584, 9.0337, 9.6550



13.7829, 7.0869, 1.4778



0.5035, 0.2569, 0.1447

Previews

White Background



This preview shows how the XYZ color 33.8773, 41.7079, 46.8224 looks on a white background.

Color Contrast Check

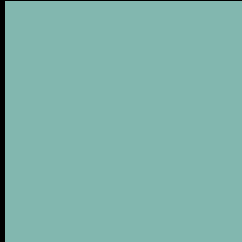
Large Text (above 18pt) WCAG AA × Fail

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 33.8773, 41.7079, 46.8224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

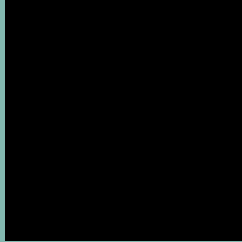
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8773, 41.7079, 46.8224

Background



This preview shows how black text looks on a background with the XYZ color 33.8773, 41.7079, 46.8224.

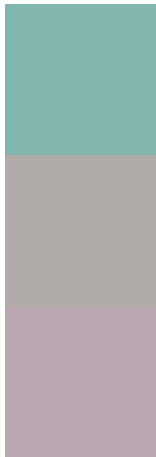


This preview shows how white text looks on a background with the XYZ color 33.8773, 41.7079,

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

33.8773, 41.7079, 46.8224

Protanopia

39.5353, 41.1831, 42.9112

Deuteranopia

42.1043, 41.2909, 47.8703



Tritanopia

36.0031, 41.6510, 57.7716

Trichromacy



Original Color

33.8773, 41.7079, 46.8224

Protanomaly

36.9787, 40.9711, 44.4873

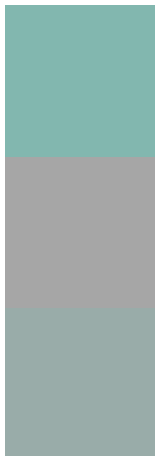
Deuteranomaly

38.6053, 41.1685, 47.5066

Tritanomaly

35.2738, 41.6651, 53.7600

Monochromacy



Original Color

33.8773, 41.7079, 46.8224

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0508, 39.1419, 43.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8773, 41.7079, 46.8224 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(130, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(130, 183, 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(130, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 183, 175) }
```

Border

The CSS property to change the border of an element to XYZ 33.8773, 41.7079, 46.8224 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(130, 183, 175) }
```


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

```
.border{ border-color:rgb(130, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(130, 183,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8773, 41.7079, 46.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 183, 175) }
```

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

```
.background{ background-color: rgb(130,  
183, 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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