

Converting Colors

XYZ(36.7286, 46.9671, 47.2148)

Have a look what the booklet for
XYZ(36.7286, 46.9671, 47.2148)
contains.

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Color

**XYZ(36.8280, 47.0728,
47.1893)**

Conversions

Conversions Part 1

Format	Color
Hex	85C3AE
RGB	133, 195, 174
RGB Percent	52%, 76%, 68%
CMY	0.4784, 0.2353, 0.3176
CMYK	0.32, 0.00, 0.11, 0.24
HSL	160°, 34%, 64%
HSV	160°, 32%, 76%
XYZ	36.8280, 47.0728, 47.1893
YIQ	174.0680, -30.2110, -19.6750

Conversions

Conversions Part 2

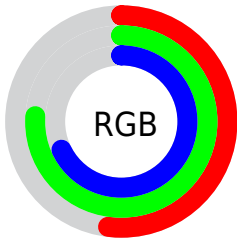
Format	Color
RYB	133, 170, 195
Decimal	8766382
CIELab	74.24, -24.43, 4.23
CIELCh	74, 24.797, 170.185
Yxy	47.0728, 0.2809, 0.3591
Android (android.graphics.Color)	4286956462 (0xFF85C3AE)
YUV	174.0680, -0.0335, -36.0166
Hunter-Lab	68.6096, -24.2523, 7.2474

Details

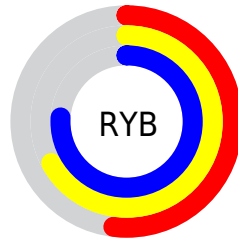
The XYZ color **36.8280, 47.0728, 47.1893** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7276, 30.7115, 34.5660**, and the grayscale version is **40.2794, 42.3771, 46.1487**.

A 20% lighter version of the original color is **69.6923, 85.9693, 87.0493**, and **16.4311, 22.2042, 21.8322** is the 20% darker color. If you saturate the color by 10%, you get **33.4025, 45.3807, 43.7503**, and if you desaturate by 10%, it is **40.8594, 49.0760, 50.8240**.

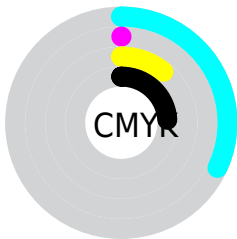
Distribution



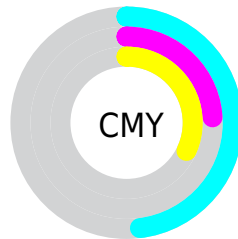
- Red (52%)
- Green (76%)
- Blue (68%)



- Red (52%)
- Yellow (67%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)





- Cyan (48%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8280, 47.0728, 47.1893 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 36.8280, 47.0728, 47.1893 by changing the saturation by 10% instead.


 36.8280, 47.0728,
47.1893


 36.8280, 47.0728,
47.1893


323.9337,
375.1050, 391.9852


 25.2474, 33.0932,
32.8299

 69.6237, 85.8223,
87.3491

 16.3912, 22.1979,
21.7261


 91.5696, 111.3610,
113.9865

 9.8940, 14.0024,
13.4594


 117.7012,
141.5215, 145.5537

 5.3905, 8.1223,
7.6112

148.3840,
176.6882, 182.4693

 2.5152, 4.1733,
3.7630

183.9833,
217.2455, 225.1516

 0.9029, 1.7710,
1.4963

224.8644,

 0.0000, 0.4690,

263.5778, 274.0194

0.2151

271.3928,
316.0695, 329.4911

■ 0.0000, 0.0000,
0.0000

■ 36.8280, 47.0728,
47.1893

■ 36.8280, 47.0728,
47.1893

■ 33.4025, 45.3807,
43.7503

■ 40.8594, 49.0760,
50.8240

■ 30.5468, 43.9775,
40.4999

■ 45.5223, 51.3999,
54.6550

■ 28.2269, 42.8470,
37.4352

■ 50.8458, 54.0606,
58.6868

■ 26.4036, 41.9690,
34.5519

■ 56.8560, 57.0714,
62.9228

■ 25.0320, 41.3204,
31.8454

■ 63.5772, 60.4449,
67.3664

■ 24.0585, 40.8736,
29.3105

■ 71.0329, 64.1932,
72.0207

■ 23.4750, 40.6155,
27.3532

■ 73.7061, 65.4720,
76.6298

■ 74.5998, 65.8295,
81.3361

■ 75.5285, 66.2010,
86.2266

Harmonies

Analogous

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



38.4850, 47.0728, 37.1093



36.8280, 47.0728, 47.1893



37.1807, 47.0728, 60.1842

Triad

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



36.8280, 47.0728, 47.1893



47.7594, 47.0728, 77.8685



50.4472, 47.0728, 34.6405

Complementary

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



36.8280, 47.0728, 47.1893



36.7276, 30.7115, 34.5660

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.



53.2630, 47.0728, 43.2545



36.8280, 47.0728, 47.1893



51.6413, 47.0728, 68.6021

Square

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



36.8280, 47.0728, 47.1893



43.2984, 47.0728, 79.3935



53.7139, 47.0728, 55.5462



46.2158, 47.0728, 30.6999

Rectangle

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



36.8280, 47.0728, 47.1893



38.5172, 47.0728, 68.7498



53.7139, 47.0728, 55.5462



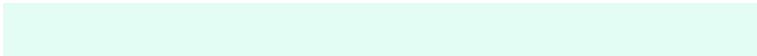
51.6021, 47.0728, 37.0114

Sweetspot

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



36.8293, 47.0747, 47.1904



83.0089, 92.7935, 99.0431



37.2104, 47.6647, 29.4301



17.8942, 20.1791, 21.4674



0.0000, 0.0000, 0.0000



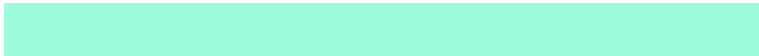
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8293, 47.0747, 47.1904



61.6751, 82.1885, 80.2918



37.0205, 43.9201, 58.1583



10.2188, 11.3686, 12.1557



15.2974, 26.4130, 17.9908



0.6921, 1.1537, 0.9413

Inverse Universe

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



36.7276, 30.7115, 34.5660



61.4707, 48.4058, 54.2558



36.4585, 32.7323, 26.5875



10.2108, 10.1329, 11.2008



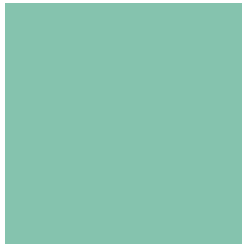
15.3032, 7.8110, 4.2429



0.6938, 0.3505, 0.3547

Previews

White Background



This preview shows how the XYZ color 36.8280, 47.0728, 47.1893 looks on a white background.

Color Contrast Check

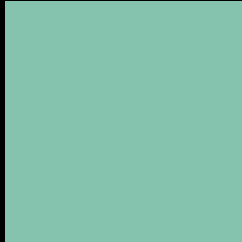
Large Text (above 18pt) WCAG AA × Fail

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 36.8280, 47.0728, 47.1893 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 36.8280, 47.0728, 47.1893

Background



This preview shows how black text looks on a background with the XYZ color 36.8280, 47.0728, 47.1893.

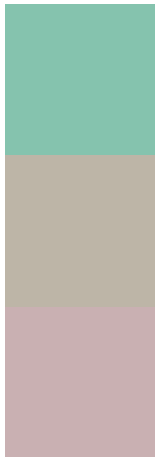


This preview shows how white text looks on a background with the XYZ color 36.8280, 47.0728,

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

36.8280, 47.0728, 47.1893

Protanopia

44.4852, 46.6566, 43.2202

Deuteranopia

47.6486, 46.6825, 48.6188



Tritanopia

40.3693, 46.8586, 65.3094

Trichromacy



Original Color

36.8280, 47.0728, 47.1893

Protanomaly

41.1768, 46.4551, 44.8267

Deuteranomaly

42.7738, 46.2714, 48.2718

Tritanomaly

38.9038, 46.9127, 58.0435

Monochromacy



Original Color

36.8280, 47.0728, 47.1893

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6660, 43.8828, 46.4767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8280, 47.0728, 47.1893 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, 195, 174)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 174)  
}
```

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, 195, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.8280, 47.0728, 47.1893 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, 195, 174) }
```


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

```
.border{ border-color:rgb(133, 195, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 174);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8280, 47.0728, 47.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 174) }
```

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

```
.background{ background-color: rgb(133,  
195, 174) }
```

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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