

Converting Colors

XYZ(36.4431, 43.2825, 47.7121)

Have a look what the booklet for
XYZ(36.4431, 43.2825, 47.7121)
contains.

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Color

**XYZ(36.4786, 43.3449,
47.5181)**

Conversions

Conversions Part 1

Format	Color
Hex	90B8B0
RGB	144, 184, 176
RGB Percent	56%, 72%, 69%
CMY	0.4353, 0.2784, 0.3098
CMYK	0.22, 0.00, 0.04, 0.28
HSL	168°, 22%, 64%
HSV	168°, 22%, 72%
XYZ	36.4786, 43.3449, 47.5181
YIQ	171.1280, -21.2720, -10.9680

Conversions

Conversions Part 2

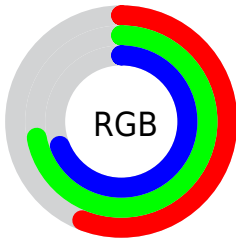
Format	Color
RYB	144, 166, 184
Decimal	9484464
CIELab	71.79, -15.04, -0.34
CIELCh	72, 15.043, 181.312
Yxy	43.3449, 0.2865, 0.3404
Android (android.graphics.Color)	4287674544 (0xFF90B8B0)
YUV	171.1280, 2.4019, -23.7913
Hunter-Lab	65.8368, -16.3120, 3.2929

Details

The XYZ color **36.4786, 43.3449, 47.5181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.4095, 32.4051, 34.0962**, and the grayscale version is **38.7700, 40.7890, 44.4192**.

A 20% lighter version of the original color is **69.0143, 80.1521, 88.1774**, and **16.2686, 20.0150, 22.0746** is the 20% darker color. If you saturate the color by 10%, you get **33.1640, 41.6788, 45.4881**, and if you desaturate by 10%, it is **40.3293, 45.2885, 49.6266**.

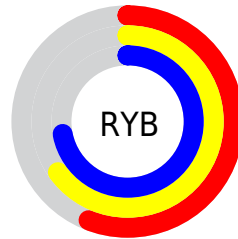
Distribution



Red (56%)

Green (72%)

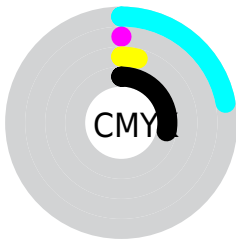
Blue (69%)



Red (56%)

Yellow (65%)

Blue (72%)

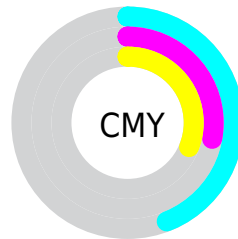


Cyan (22%)

Magenta (0%)

Yellow (4%)

Black (28%)



Cyan (44%)

Magenta (28%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4786, 43.3449, 47.5181 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 36.4786, 43.3449, 47.5181 by changing the saturation by 10% instead.

■ 36.4786, 43.3449,
47.5181

■ 36.4786, 43.3449,
47.5181

322.4425,
360.0282, 393.3323

■ 24.9759, 30.1558,
33.0881

■ 69.0892, 80.2311,
87.8445

■ 16.1877, 19.9569,
21.9223

■ 90.9278, 104.6969,
114.5781

■ 9.7488, 12.3637,
13.6021

116.9423,
133.6906, 146.2499

■ 5.2937, 6.9919,
7.7088

147.4982,
167.5963, 183.2786

■ 2.4571, 3.4570,
3.8241

182.9609,
206.7985, 226.0826

■ 0.8737, 1.3747,
1.5294

223.6955,

■ 0.0000, 0.1980,

251.6817, 275.0805

0.2397

270.0676,
302.6301, 330.6909

■ 0.0000, 0.0000,
0.0000

■ 36.4786, 43.3449,
47.5181

■ 36.4786, 43.3449,
47.5181

■ 33.1640, 41.6788,
45.4881

■ 40.3293, 45.2885,
49.6266

■ 30.3565, 40.2719,
43.5321

■ 44.7362, 47.5166,
51.8121

■ 28.0298, 39.1117,
41.6494

■ 49.7228, 50.0423,
54.0771

■ 26.1536, 38.1826,
39.8381

■ 55.3101, 52.8765,
56.4230

■ 24.6943, 37.4674,
38.0963

■ 61.5180, 56.0294,
58.8511

■ 23.6135, 36.9462,
36.4216

■ 68.3656, 59.5110,
61.3626

■ 22.8655, 36.5954,
34.8116

■ 69.0146, 59.7959,
63.6379

■ 22.4230, 36.3952,
33.5266

■ 69.4551, 59.9721,
65.9577

■ 69.9061, 60.1525,
68.3326

Harmonies

Analogous

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



37.0364, 43.3449, 40.7575



36.4786, 43.3449, 47.5181



37.1413, 43.3449, 54.8923

Triad

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



36.4786, 43.3449, 47.5181



43.8046, 43.3449, 60.2669



43.6019, 43.3449, 35.8960

Complementary

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



36.4786, 43.3449, 47.5181



35.4095, 32.4051, 34.0962

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.



45.5399, 43.3449, 40.2536



36.4786, 43.3449, 47.5181



45.6603, 43.3449, 54.2775

Square

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



36.4786, 43.3449, 47.5181



41.3106, 43.3449, 62.7071



46.3079, 43.3449, 46.8738



41.0856, 43.3449, 34.4789

Rectangle

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



36.4786, 43.3449, 47.5181



38.2025, 43.3449, 59.0529



46.3079, 43.3449, 46.8738



44.3462, 43.3449, 37.0416

Sweetspot

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



36.4798, 43.3467, 47.5191



76.6692, 83.8952, 91.7712



35.2500, 43.0364, 32.8353



16.4275, 18.0351, 19.7336



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.



36.4798, 43.3467, 47.5191



63.1868, 77.0941, 84.3917



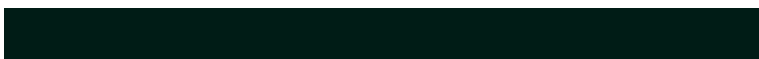
35.0344, 39.1510, 51.0599



9.1876, 10.1790, 11.1452



15.4786, 25.0924, 23.2398



0.5655, 0.8925, 0.9239

Inverse Universe

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



35.4095, 32.4051, 34.0962



60.9077, 53.7776, 55.7967



36.5796, 35.7591, 31.3606



9.0761, 9.0408, 9.7482



13.8723, 7.1227, 1.9482



0.5110, 0.2599, 0.1844

Previews

White Background



This preview shows how the XYZ color 36.4786, 43.3449, 47.5181 looks on a white background.

Color Contrast Check

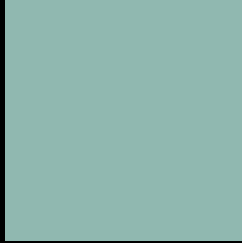
Large Text (above 18pt) WCAG AA × Fail

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 36.4786, 43.3449, 47.5181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

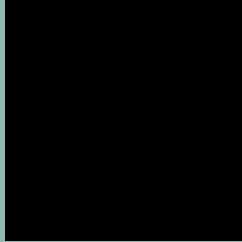
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4786, 43.3449, 47.5181

Background



This preview shows how black text looks on a background with the XYZ color 36.4786, 43.3449, 47.5181.



This preview shows how white text looks on a background with the XYZ color 36.4786, 43.3449,

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

36.4786, 43.3449, 47.5181

Protanopia

41.5030, 43.3035, 44.6990

Deuteranopia

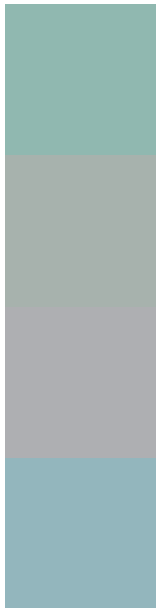
43.9973, 43.0805, 48.6443



Tritanopia

38.7004, 43.3292, 58.5482

Trichromacy



Original Color

36.4786, 43.3449, 47.5181

Protanomaly

39.3996, 43.0734, 45.7726

Deuteranomaly

40.8214, 42.8730, 48.2433

Tritanomaly

37.9459, 43.3331, 54.5083

Monochromacy



Original Color

36.4786, 43.3449, 47.5181

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.7661, 41.6449, 45.5829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4786, 43.3449, 47.5181 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(144, 184, 176)` looks like.

```
.text, #text, p{  
    color:rgb(144, 184, 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(144, 184, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 184, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.4786, 43.3449, 47.5181 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(144, 184, 176) }
```


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

```
.border{ border-color:rgb(144, 184, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 184, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 184, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 184, 176);  
box-shadow:4px 4px 4px 4px rgb(144, 184,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4786, 43.3449, 47.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 184, 176) }
```

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

```
.background{ background-color: rgb(144,  
184, 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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