

Converting Colors

XYZ(37.4684, 44.8845, 46.5536)

Have a look what the booklet for
XYZ(37.4684, 44.8845, 46.5536)
contains.

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Color

**XYZ(37.4429, 44.7997,
46.7182)**

Conversions

Conversions Part 1

Format	Color
Hex	93BBAE
RGB	147, 187, 174
RGB Percent	58%, 73%, 68%
CMY	0.4235, 0.2667, 0.3176
CMYK	0.21, 0.00, 0.07, 0.27
HSL	160°, 23%, 65%
HSV	160°, 21%, 73%
XYZ	37.4429, 44.7997, 46.7182
YIQ	173.5580, -19.6670, -12.5230

Conversions

Conversions Part 2

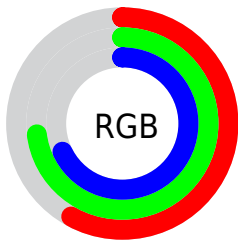
Format	Color
RYB	147, 171, 187
Decimal	9681838
CIELab	72.76, -16.05, 2.19
CIELCh	73, 16.200, 172.243
Yxy	44.7997, 0.2903, 0.3474
Android (android.graphics.Color)	4287871918 (0xFF93BBAE)
YUV	173.5580, 0.2179, -23.2914
Hunter-Lab	66.9326, -17.2769, 5.4690

Details

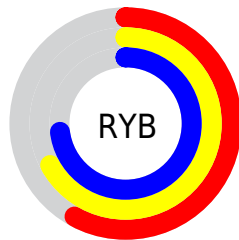
The XYZ color **37.4429, 44.7997, 46.7182** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2739, 33.9714, 37.8521**, and the grayscale version is **40.0126, 42.0964, 45.8430**.

A 20% lighter version of the original color is **70.5506, 82.3149, 86.2987**, and **16.8618, 20.9421, 21.5659** is the 20% darker color. If you saturate the color by 10%, you get **33.7793, 42.9792, 43.5237**, and if you desaturate by 10%, it is **41.6810, 46.9157, 50.0815**.

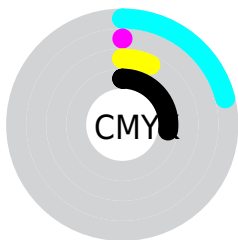
Distribution



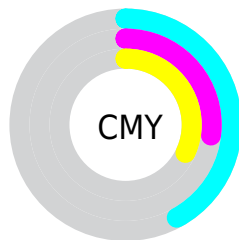
- Red (58%)
- Green (73%)
- Blue (68%)



- Red (58%)
- Yellow (67%)
- Blue (73%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (27%)



- Cyan (42%)
- Magenta (27%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4429, 44.7997, 46.7182 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 37.4429, 44.7997, 46.7182 by changing the saturation by 10% instead.

■ 37.4429, 44.7997,
46.7182

■ 37.4429, 44.7997,
46.7182

326.5464,
365.9617, 390.0497

■ 25.7258, 31.2997,
32.4602

■ 70.5629, 82.4198,
86.6384

■ 16.7503, 20.8272,
21.4455

■ 92.6965, 107.3086,
113.1377

■ 10.1508, 12.9977,
13.2556

119.0330,
136.7625, 144.5544

■ 5.5621, 7.4270,
7.4720

149.9377,
171.1658, 181.3073

■ 2.6188, 3.7305,
3.6761

185.7761,
210.9031, 223.8147

■ 0.9555, 1.5240,
1.4494

226.9134,

■ 0.0000, 0.3055,

256.3585, 272.4952

0.1798

273.7151,
307.9166, 327.7673

■ 0.0000, 0.0000,
0.0000

■ 37.4429, 44.7997,
46.7182

■ 37.4429, 44.7997,
46.7182

■ 33.7793, 42.9792,
43.5237

■ 41.6810, 46.9157,
50.0815

■ 30.6598, 41.4349,
40.4919

■ 46.5146, 49.3343,
53.6135

■ 28.0567, 40.1538,
37.6205

■ 51.9684, 52.0695,
57.3182

■ 25.9385, 39.1197,
34.9063

■ 58.0645, 55.1326,
61.1982

■ 24.2700, 38.3145,
32.3456

■ 64.8238, 58.5344,
65.2562

■ 23.0111, 37.7176,
29.9346

■ 70.7029, 61.4790,
69.4217

■ 22.1140, 37.3044,
27.6689

■ 71.4771, 61.7887,
73.4985

■ 21.5513, 37.0544,
25.8295

■ 72.2804, 62.1100,
77.7287

■ 73.1131, 62.4431,
82.1137

Harmonies

Analogous

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



38.4458, 44.7997, 39.8954



37.4429, 44.7997, 46.7182



37.7679, 44.7997, 54.8814

Triad

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



37.4429, 44.7997, 46.7182



44.6613, 44.7997, 64.5685



45.9794, 44.7997, 37.5281

Complementary

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



37.4429, 44.7997, 46.7182



37.2739, 33.9714, 37.8521

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.



47.7861, 44.7997, 43.1470



37.4429, 44.7997, 46.7182



47.0021, 44.7997, 58.8928

Square

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



37.4429, 44.7997, 46.7182



41.8549, 44.7997, 65.7950



48.1684, 44.7997, 50.9001



43.3150, 44.7997, 34.9835

Rectangle

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



37.4429, 44.7997, 46.7182



38.7007, 44.7997, 59.9525



48.1684, 44.7997, 50.9001



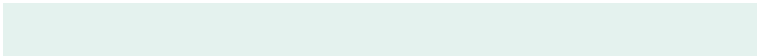
46.7119, 44.7997, 39.0884

Sweetspot

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



37.4442, 44.8016, 46.7192



79.0941, 86.2458, 93.0023



37.6021, 45.1572, 34.3387



17.2932, 18.9304, 20.3895



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.4442, 44.8016, 46.7192



63.6333, 78.5305, 80.7549



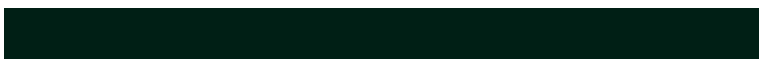
37.3923, 42.5699, 53.2620



9.6731, 10.7553, 11.5279



14.8826, 25.5433, 17.9763



0.6118, 1.0121, 0.8559

Inverse Universe

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



37.2739, 33.9714, 37.8521



63.2718, 55.4259, 61.8465



37.2620, 35.6738, 32.5262



9.6546, 9.5861, 10.5700



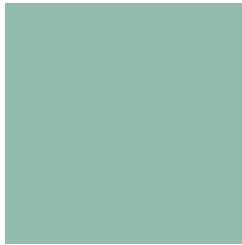
14.7264, 7.5217, 3.8528



0.6076, 0.3069, 0.3128

Previews

White Background



This preview shows how the XYZ color 37.4429, 44.7997, 46.7182 looks on a white background.

Color Contrast Check

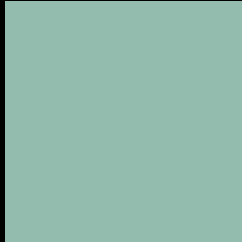
Large Text (above 18pt) WCAG AA × Fail

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 37.4429, 44.7997, 46.7182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

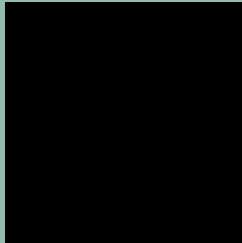
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

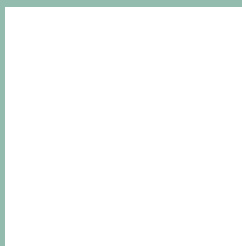
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4429, 44.7997, 46.7182

Background



This preview shows how black text looks on a background with the XYZ color 37.4429, 44.7997, 46.7182.



This preview shows how white text looks on a background with the XYZ color 37.4429, 44.7997,

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

37.4429, 44.7997, 46.7182

Protanopia

42.4120, 44.3761, 43.8662

Deuteranopia

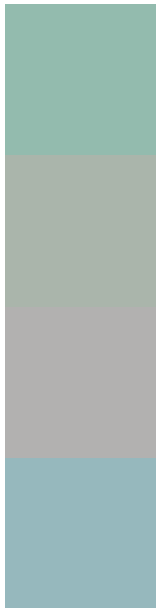
45.1940, 44.2815, 47.7602



Tritanopia

40.0754, 44.6196, 59.9263

Trichromacy



Original Color

37.4429, 44.7997, 46.7182

Protanomaly

40.4521, 44.5341, 44.9920

Deuteranomaly

41.9187, 44.0438, 47.3663

Tritanomaly

38.9035, 44.4391, 54.6713

Monochromacy



Original Color

37.4429, 44.7997, 46.7182

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.0699, 43.1887, 46.3214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4429, 44.7997, 46.7182 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(147, 187, 174)` looks like.

```
.text, #text, p{  
    color:rgb(147, 187, 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(147, 187, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 187, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.4429, 44.7997, 46.7182 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(147, 187, 174) }
```


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

```
.border{ border-color:rgb(147, 187, 174) }
```

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

Here you see how a box with a 4 pixel rgb(147, 187, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 187, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 187, 174);  
box-shadow:4px 4px 4px 4px rgb(147, 187,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4429, 44.7997, 46.7182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 187, 174) }
```

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

```
.background{ background-color: rgb(147,  
187, 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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