

Converting Colors

XYZ(38.7509, 42.8640, 46.8104)

Have a look what the booklet for
XYZ(38.7509, 42.8640, 46.8104)
contains.

XYZ(38.7583, 43.0167, 46.8177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7583, 43.0167,
46.8177)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B3AF
RGB	162, 179, 175
RGB Percent	64%, 70%, 69%
CMY	0.3647, 0.2980, 0.3137
CMYK	0.09, 0.00, 0.02, 0.30
HSL	166°, 10%, 67%
HSV	166°, 9%, 70%
XYZ	38.7583, 43.0167, 46.8177
YIQ	173.4610, -8.8480, -4.8480

Conversions

Conversions Part 2

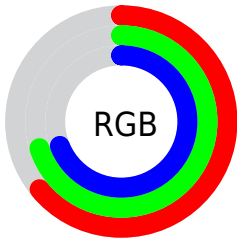
Format	Color
RYB	162, 172, 179
Decimal	10662831
CIELab	71.57, -6.66, 0.02
CIELCh	72, 6.665, 179.814
Yxy	43.0167, 0.3014, 0.3345
Android (android.graphics.Color)	4288852911 (0xFFA2B3AF)
YUV	173.4610, 0.7587, -10.0513
Hunter-Lab	65.5871, -9.2940, 3.5883

Details

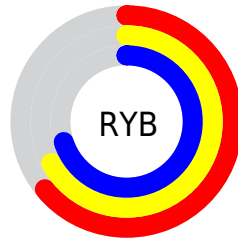
The XYZ color **38.7583, 43.0167, 46.8177** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3953, 38.1788, 41.4241**, and the grayscale version is **39.9564, 42.0372, 45.7785**.

A 20% lighter version of the original color is **72.6065, 79.8815, 86.4548**, and **17.4664, 19.6668, 21.6144** is the 20% darker color. If you saturate the color by 10%, you get **34.9706, 41.1123, 44.5141**, and if you desaturate by 10%, it is **43.0790, 45.1967, 49.2154**.

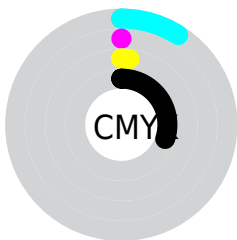
Distribution



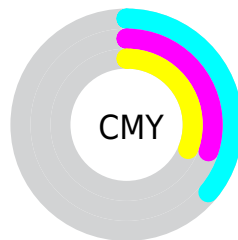
- Red (64%)
- Green (70%)
- Blue (69%)



- Red (64%)
- Yellow (67%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (36%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7583, 43.0167, 46.8177 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 38.7583, 43.0167, 46.8177 by changing the saturation by 10% instead.

■ 38.7583, 43.0167,
46.8177

■ 38.7583, 43.0167,
46.8177

332.0867,
358.6804, 390.4591

■ 26.7516, 29.8982,
32.5382

■ 72.5654, 79.7361,
86.7886

■ 17.5224, 19.7613,
21.5047

■ 95.0965, 104.1057,
113.3171

■ 10.7052, 12.2217,
13.2986

121.8665,
132.9946, 144.7657

■ 5.9348, 6.8948,
7.5014

153.2407,
166.7870, 181.5529

■ 2.8458, 3.3964,
3.6944

189.5844,
205.8674, 224.0973

■ 1.0727, 1.3420,
1.4592

231.2631,

■ 0.0021, 0.1734,

250.6202, 272.8175

0.1873

278.6421,
301.4297, 328.1319

■ 0.0000, 0.0000,
0.0000

■ 38.7583, 43.0167,
46.8177

■ 38.7583, 43.0167,
46.8177

■ 34.9706, 41.1123,
44.5141

■ 43.0790, 45.1967,
49.2154

■ 31.6904, 39.4669,
42.3003

■ 47.9496, 47.6575,
51.7061

■ 28.8954, 38.0702,
40.1753

■ 53.3908, 50.4110,
54.2920

■ 26.5604, 36.9092,
38.1375

■ 59.4211, 53.4666,
56.9747

■ 24.6578, 35.9695,
36.1849

■ 66.0582, 56.8334,
59.7556

■ 23.1568, 35.2356,
34.3154

■ 67.8196, 57.6853,
62.3787

■ 22.0228, 34.6894,
32.5268

■ 68.3200, 57.8854,
65.0137

■ 21.2147, 34.3099,
30.8164

■ 68.8341, 58.0910,
67.7208

■ 20.6528, 34.0558,
29.1799

■ 69.3620, 58.3022,
70.5006

Harmonies

Analogous

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



39.0424, 43.0167, 43.7878



38.7583, 43.0167, 46.8177



39.0356, 43.0167, 49.9899

Triad

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



38.7583, 43.0167, 46.8177



41.9724, 43.0167, 52.4284



41.9848, 43.0167, 41.6783

Complementary

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



38.7583, 43.0167, 46.8177



38.3953, 38.1788, 41.4241

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.



42.7942, 43.0167, 43.8212



38.7583, 43.0167, 46.8177



42.7869, 43.0167, 50.0264

Square

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



38.7583, 43.0167, 46.8177



40.8790, 43.0167, 53.3184



43.0903, 43.0167, 46.8581



40.8931, 43.0167, 40.9050

Rectangle

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



38.7583, 43.0167, 46.8177



39.5044, 43.0167, 51.7380



43.0903, 43.0167, 46.8581



42.2996, 43.0167, 42.2573

Sweetspot

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



38.7595, 43.0185, 46.8187



74.2904, 79.4995, 86.5954



38.4215, 42.9847, 40.4551



16.3198, 17.5429, 19.1086



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.7595, 43.0185, 46.8187



68.2032, 76.4316, 83.1390



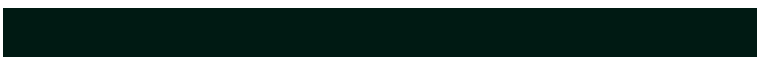
38.3197, 41.5004, 48.6406



8.6554, 9.5966, 10.4449



14.6010, 24.0664, 20.6995



0.4802, 0.7656, 0.7610

Inverse Universe

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



38.3953, 38.1788, 41.4241



67.4439, 66.3402, 71.8912



38.7952, 39.5571, 39.7738



8.5756, 8.5370, 9.2637



13.4556, 6.8998, 2.2932



0.4462, 0.2262, 0.1925

Previews

White Background



This preview shows how the XYZ color 38.7583, 43.0167, 46.8177 looks on a white background.

Color Contrast Check

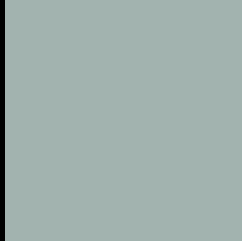
Large Text (above 18pt) WCAG AA × Fail

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 38.7583, 43.0167, 46.8177 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

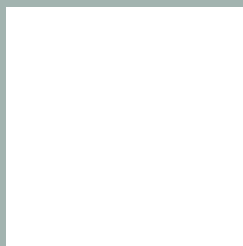
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7583, 43.0167, 46.8177

Background



This preview shows how black text looks on a background with the XYZ color 38.7583, 43.0167, 46.8177.



This preview shows how white text looks on a background with the XYZ color 38.7583, 43.0167,

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

38.7583, 43.0167, 46.8177

Protanopia

41.1729, 42.8344, 45.1275

Deuteranopia

43.7964, 43.0001, 47.5865



Tritanopia

40.6432, 43.2052, 55.4875

Trichromacy



Original Color

38.7583, 43.0167, 46.8177

Protanomaly

40.3017, 42.9520, 45.7016

Deuteranomaly

41.6024, 42.7250, 47.1284

Tritanomaly

39.9872, 43.2361, 52.1368

Monochromacy



Original Color

38.7583, 43.0167, 46.8177

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3321, 42.1510, 46.1073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7583, 43.0167, 46.8177 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(162, 179, 175)` looks like.

```
.text, #text, p{  
    color:rgb(162, 179, 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(162, 179, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 179, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.7583, 43.0167, 46.8177 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(162, 179, 175) }
```


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

```
.border{ border-color:rgb(162, 179, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 179, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 179, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 179, 175);  
box-shadow:4px 4px 4px 4px rgb(162, 179,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7583, 43.0167, 46.8177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 179, 175) }
```

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

```
.background{ background-color: rgb(162,  
179, 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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