

Converting Colors

XYZ(38.9163, 42.7258, 46.9738)

Have a look what the booklet for
XYZ(38.9163, 42.7258, 46.9738)
contains.

XYZ(38.9681, 42.8284, 46.7703)	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(38.9681, 42.8284,
46.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B2AF
RGB	164, 178, 175
RGB Percent	64%, 70%, 69%
CMY	0.3569, 0.3019, 0.3137
CMYK	0.08, 0.00, 0.02, 0.30
HSL	167°, 8%, 67%
HSV	167°, 8%, 70%
XYZ	38.9681, 42.8284, 46.7703
YIQ	173.4720, -7.3810, -3.9010

Conversions

Conversions Part 2

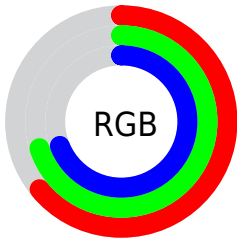
Format	Color
RYB	164, 172, 178
Decimal	10793647
CIELab	71.44, -5.45, -0.15
CIELCh	71, 5.447, 181.557
Yxy	42.8284, 0.3031, 0.3331
Android (android.graphics.Color)	4288983727 (0xFFA4B2AF)
YUV	173.4720, 0.7533, -8.3069
Hunter-Lab	65.4434, -8.2386, 3.4377

Details

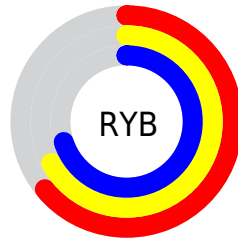
The XYZ color **38.9681, 42.8284, 46.7703** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.6122, 38.8071, 42.0167**, and the grayscale version is **39.9614, 42.0425, 45.7843**.

A 20% lighter version of the original color is **72.9192, 79.6189, 86.3876**, and **17.5909, 19.5420, 21.5837** is the 20% darker color. If you saturate the color by 10%, you get **35.1793, 40.9191, 44.6642**, and if you desaturate by 10%, it is **43.2841, 45.0107, 48.9582**.

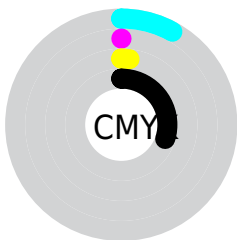
Distribution



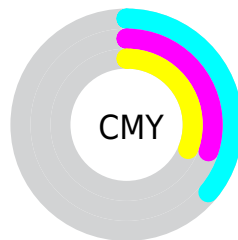
- Red (64%)
- Green (70%)
- Blue (69%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9681, 42.8284, 46.7703 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 38.9681, 42.8284, 46.7703 by changing the saturation by 10% instead.

■ 38.9681, 42.8284,
46.7703

■ 38.9681, 42.8284,
46.7703

332.9643,
357.9056, 390.2641

■ 26.9155, 29.7505,
32.5011

■ 72.8840, 79.4518,
86.7170

■ 17.6460, 19.6493,
21.4765

■ 95.4780, 103.7662,
113.2316

■ 10.7943, 12.1404,
13.2781

122.3165,
132.5948, 144.6651

■ 5.9950, 6.8393,
7.4874

153.7649,
166.3220, 181.4359

■ 2.8827, 3.3618,
3.6857

190.1885,
205.3324, 223.9627

■ 1.0920, 1.3234,
1.4546

231.9527,

■ 0.0184, 0.1592,

250.0101, 272.6640

0.1837

279.4229,
300.7397, 327.9582

■ 0.0000, 0.0000,
0.0000

■ 38.9681, 42.8284,
46.7703

■ 38.9681, 42.8284,
46.7703

■ 35.1793, 40.9191,
44.6642

■ 43.2841, 45.0107,
48.9582

■ 31.8927, 39.2663,
42.6356

■ 48.1438, 47.4707,
51.2264

■ 29.0868, 37.8601,
40.6840

■ 53.5674, 50.2203,
53.5772

■ 26.7370, 36.6878,
38.8076

■ 59.5730, 53.2686,
56.0118

■ 24.8164, 35.7356,
37.0049

■ 66.1778, 56.6246,
58.5317

■ 23.2955, 34.9883,
35.2738

■ 67.3431, 57.1751,
60.8544

■ 22.1407, 34.4286,
33.6125

■ 67.7888, 57.3534,
63.2014

■ 21.3129, 34.0362,
32.0185

■ 68.2457, 57.5361,
65.6073

■ 20.7502, 33.7795,
30.4885

■ 68.7138, 57.7234,
68.0724

Harmonies

Analogous

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



39.1748, 42.8284, 44.2664



38.9681, 42.8284, 46.7703



39.2215, 42.8284, 49.3286

Triad

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



38.9681, 42.8284, 46.7703



41.6378, 42.8284, 51.0742



41.5536, 42.8284, 42.3278

Complementary

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



38.9681, 42.8284, 46.7703



38.6122, 38.8071, 42.0167

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.



42.2297, 42.8284, 44.0371



38.9681, 42.8284, 46.7703



42.2789, 42.8284, 49.0821

Square

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



38.9681, 42.8284, 46.7703



40.7551, 42.8284, 51.8706



42.4971, 42.8284, 46.4957



40.6592, 42.8284, 41.7601

Rectangle

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



38.9681, 42.8284, 46.7703



39.6196, 42.8284, 50.7051



42.4971, 42.8284, 46.4957



41.8144, 42.8284, 42.7847

Sweetspot

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



38.9693, 42.8302, 46.7712



75.1100, 79.9115, 87.1076



38.5660, 42.7421, 41.3401



16.6594, 17.7139, 19.3082



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.



38.9693, 42.8302, 46.7712



69.7263, 77.1924, 84.3120



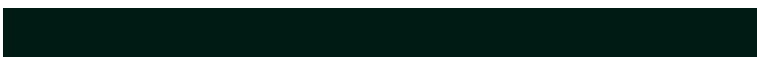
38.4895, 41.3934, 48.0826



8.6631, 9.5997, 10.4853



14.7930, 24.1432, 21.7106



0.4850, 0.7675, 0.7859

Inverse Universe

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



38.6122, 38.8071, 42.0167



68.9790, 68.7745, 74.3639



39.0589, 40.1396, 40.8118



8.5685, 8.5341, 9.2260



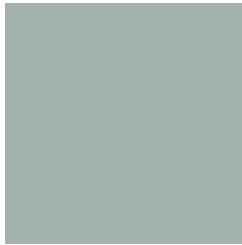
13.4087, 6.8810, 2.0463



0.4433, 0.2251, 0.1771

Previews

White Background



This preview shows how the XYZ color 38.9681, 42.8284, 46.7703 looks on a white background.

Color Contrast Check

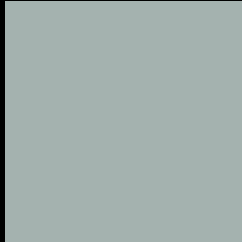
Large Text (above 18pt) WCAG AA × Fail

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 38.9681, 42.8284, 46.7703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

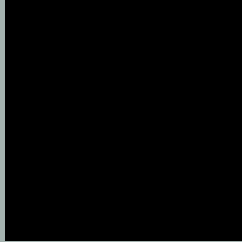
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

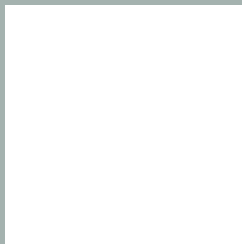
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9681, 42.8284, 46.7703

Background



This preview shows how black text looks on a background with the XYZ color 38.9681, 42.8284, 46.7703.

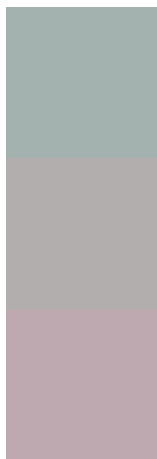


This preview shows how white text looks on a background with the XYZ color 38.9681, 42.8284,

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

38.9681, 42.8284, 46.7703

Protanopia

41.0390, 42.7542, 45.6246

Deuteranopia

43.6096, 42.6266, 47.5243



Tritanopia

40.5455, 42.8754, 54.8540

Trichromacy



Original Color

38.9681, 42.8284, 46.7703

Protanomaly

40.2035, 42.6002, 46.1481

Deuteranomaly

41.6451, 42.4634, 47.0756

Tritanomaly

39.9961, 42.9464, 52.0804

Monochromacy



Original Color

38.9681, 42.8284, 46.7703

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.5475, 42.2620, 46.1174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9681, 42.8284, 46.7703 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(164, 178, 175) looks like.

```
.text, #text, p{  
    color:rgb(164, 178, 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(164, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 178, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.9681, 42.8284, 46.7703 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(164, 178, 175) }
```


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

```
.border{ border-color:rgb(164, 178, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 178, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(164, 178,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9681, 42.8284, 46.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 178, 175) }
```

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

```
.background{ background-color: rgb(164,  
178, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor