

Converting Colors

XYZ(38.5831, 42.0184, 47.1265)

Have a look what the booklet for
XYZ(38.5831, 42.0184, 47.1265)
contains.

XYZ(38.6716, 42.0778, 47.1579)	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(38.6716, 42.0778,
47.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B0B0
RGB	164, 176, 176
RGB Percent	64%, 69%, 69%
CMY	0.3569, 0.3098, 0.3098
CMYK	0.07, 0.00, 0.00, 0.31
HSL	180°, 7%, 67%
HSV	180°, 7%, 69%
XYZ	38.6716, 42.0778, 47.1579
YIQ	172.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

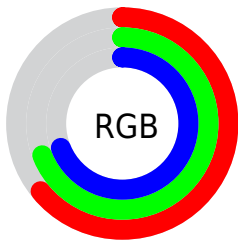
Format	Color
RYB	164, 170, 176
Decimal	10793136
CIELab	70.92, -4.17, -1.45
CIELCh	71, 4.419, 199.148
Yxy	42.0778, 0.3023, 0.3290
Android (android.graphics.Color)	4288983216 (0xFFA4B0B0)
YUV	172.4120, 1.7689, -7.3773
Hunter-Lab	64.8674, -7.1027, 2.3040

Details

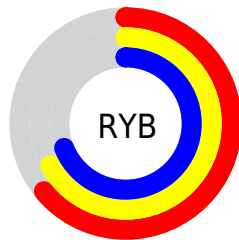
The XYZ color **38.6716, 42.0778, 47.1579** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8823, 38.4624, 40.5512**, and the grayscale version is **39.4163, 41.4690, 45.1598**.

A 20% lighter version of the original color is **72.6355, 78.5995, 87.6868**, and **17.5278, 19.3153, 21.8732** is the 20% darker color. If you saturate the color by 10%, you get **35.2877, 40.3346, 46.9981**, and if you desaturate by 10%, it is **42.5606, 44.0838, 47.3430**.

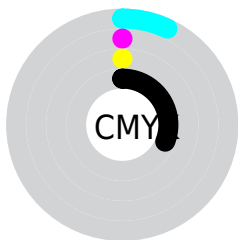
Distribution



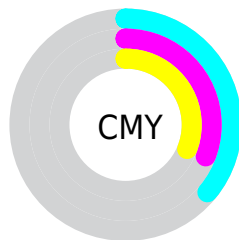
- Red (64%)
- Green (69%)
- Blue (69%)



- Red (64%)
- Yellow (67%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6716, 42.0778, 47.1579 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 38.6716, 42.0778, 47.1579 by changing the saturation by 10% instead.

■ 38.6716, 42.0778,
47.1579

■ 38.6716, 42.0778,
47.1579

331.7235,
354.8053, 391.8564

■ 26.6839, 29.1622,
32.8053

■ 72.4337, 78.3174,
87.3017

■ 17.4713, 19.2036,
21.7074

■ 94.9387, 102.4101,
113.9300

■ 10.6685, 11.8175,
13.4458

121.6803,
130.9974, 145.4872

■ 5.9100, 6.6195,
7.6019

153.0238,
164.4636, 182.3919

■ 2.8306, 3.2253,
3.7572

189.3345,
203.1931, 225.0626

■ 1.0648, 1.2505,
1.4931

230.9778,

■ 0.0000, 0.1024,

247.5703, 273.9179

0.2128

278.3190,
297.9796, 329.3764

■ 0.0000, 0.0000,
0.0000

■ 38.6716, 42.0778,
47.1579

■ 38.6716, 42.0778,
47.1579

■ 35.2877, 40.3346,
46.9981

■ 42.5606, 44.0838,
47.3430

■ 32.3848, 38.8381,
46.8600

■ 46.9704, 46.3570,
47.5517

■ 29.9422, 37.5789,
46.7434

■ 51.9206, 48.9089,
47.7856

■ 27.9361, 36.5448,
46.6473

■ 57.4285, 51.7483,
48.0456

■ 26.3410, 35.7225,
46.5704

■ 63.5109, 54.8839,
48.3326

■ 25.1283, 35.0974,
46.5114

■ 64.6054, 55.4480,
48.3860

■ 24.2661, 34.6530,
46.4688

■ 64.6058, 55.4482,
48.3883

■ 23.7172, 34.3701,
46.4408

■ 64.6062, 55.4483,
48.3906

■ 23.4289, 34.2215,
46.4250

■ 64.6067, 55.4485,
48.3929

Harmonies

Analogous

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



38.6198, 42.0778, 45.0567



38.6716, 42.0778, 47.1579



39.0751, 42.0778, 48.9502

Triad

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



38.6716, 42.0778, 47.1579



41.0737, 42.0778, 48.5182



40.2607, 42.0778, 41.9491

Complementary

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



38.6716, 42.0778, 47.1579



37.8823, 38.4624, 40.5512

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.



40.9266, 42.0778, 42.8177



38.6716, 42.0778, 47.1579



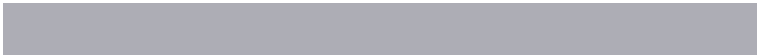
41.3998, 42.0778, 46.5829

Square

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



38.6716, 42.0778, 47.1579



40.4597, 42.0778, 49.7521



41.3456, 42.0778, 44.4990



39.5313, 42.0778, 42.0924

Rectangle

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



38.6716, 42.0778, 47.1579



39.4920, 42.0778, 49.7085



41.3456, 42.0778, 44.4990



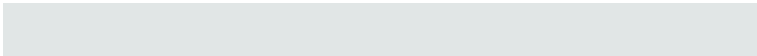
40.4996, 42.0778, 42.1314

Sweetspot

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



38.6728, 42.0796, 47.1588



73.3938, 77.9939, 85.6805



37.5785, 41.6466, 41.1804



15.9225, 16.9112, 18.5691



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



38.6728, 42.0796, 47.1588



69.2741, 75.8702, 85.4852



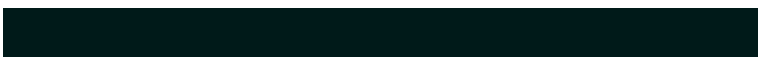
37.5597, 39.8529, 46.7892



8.7426, 9.6315, 10.9041



17.1379, 25.0811, 34.0584



0.5393, 0.7892, 1.0718

Inverse Universe

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



37.8823, 38.4624, 40.5512



67.5780, 68.1089, 71.3077



38.9441, 40.5864, 40.9038



8.4965, 8.5053, 8.8468



13.1371, 6.7724, 0.6159



0.4134, 0.2131, 0.0195

Previews

White Background



This preview shows how the XYZ color 38.6716, 42.0778, 47.1579 looks on a white background.

Color Contrast Check

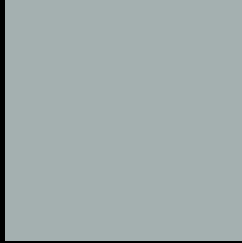
Large Text (above 18pt) WCAG AA × Fail

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 38.6716, 42.0778, 47.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

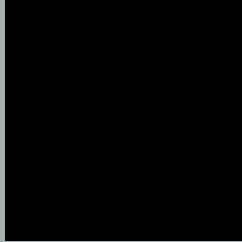
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

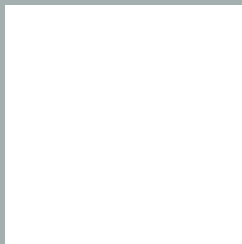
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6716, 42.0778, 47.1579

Background



This preview shows how black text looks on a background with the XYZ color 38.6716, 42.0778, 47.1579.

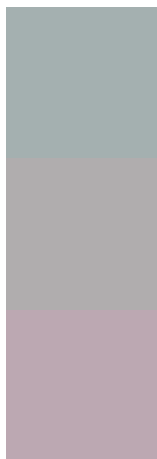


This preview shows how white text looks on a background with the XYZ color 38.6716, 42.0778,

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

38.6716, 42.0778, 47.1579

Protanopia

40.4880, 42.1732, 46.0507

Deuteranopia

42.7776, 41.9110, 47.9545



Tritanopia

39.9390, 42.0099, 53.5807

Trichromacy



Original Color

38.6716, 42.0778, 47.1579

Protanomaly

39.8872, 42.1379, 46.5886

Deuteranomaly

41.0891, 41.8839, 47.5137

Tritanomaly

39.4988, 42.1200, 51.3956

Monochromacy



Original Color

38.6716, 42.0778, 47.1579

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.8486, 41.3393, 45.4669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6716, 42.0778, 47.1579 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, 176, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 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(164, 176, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.6716, 42.0778, 47.1579 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, 176, 176) }
```


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

```
.border{ border-color:rgb(164, 176, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 176, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6716, 42.0778, 47.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 176, 176) }
```

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

```
.background{ background-color: rgb(164,  
176, 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](#).

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