

Converting Colors

XYZ(38.0742, 41.9867, 46.8748)

Have a look what the booklet for
XYZ(38.0742, 41.9867, 46.8748)
contains.

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Color

**XYZ(38.1579, 42.1165,
46.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B1AF
RGB	161, 177, 175
RGB Percent	63%, 69%, 69%
CMY	0.3686, 0.3059, 0.3137
CMYK	0.09, 0.00, 0.01, 0.31
HSL	172°, 9%, 66%
HSV	172°, 9%, 69%
XYZ	38.1579, 42.1165, 46.6756
YIQ	171.9880, -8.8940, -4.0140

Conversions

Conversions Part 2

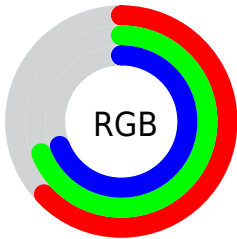
Format	Color
RYB	161, 170, 177
Decimal	10596783
CIELab	70.95, -5.94, -0.89
CIELCh	71, 6.003, 188.487
Yxy	42.1165, 0.3006, 0.3318
Android (android.graphics.Color)	4288786863 (0xFFA1B1AF)
YUV	171.9880, 1.4849, -9.6365
Hunter-Lab	64.8972, -8.6167, 2.7853

Details

The XYZ color **38.1579, 42.1165, 46.6756** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.4887, 37.4822, 39.9111**, and the grayscale version is **39.2035, 41.2452, 44.9160**.

A 20% lighter version of the original color is **71.7407, 78.5899, 86.2511**, and **17.0895, 19.0966, 21.5242** is the 20% darker color. If you saturate the color by 10%, you get **34.6249, 40.3213, 45.3845**, and if you desaturate by 10%, it is **42.2019, 44.1770, 48.0110**.

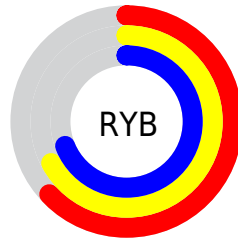
Distribution



Red (63%)

Green (69%)

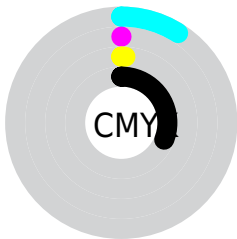
Blue (69%)



Red (63%)

Yellow (67%)

Blue (69%)

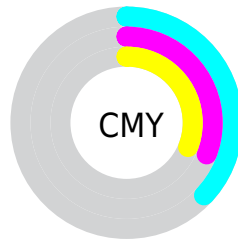


Cyan (9%)

Magenta (0%)

Yellow (1%)

Black (31%)



Cyan (37%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1579, 42.1165, 46.6756 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 38.1579, 42.1165, 46.6756 by changing the saturation by 10% instead.

■ 38.1579, 42.1165,
46.6756

■ 38.1579, 42.1165,
46.6756

329.5660,
354.9656, 389.8744

■ 26.2830, 29.1925,
32.4268

■ 71.6524, 78.3759,
86.5741

■ 17.1693, 19.2265,
21.4202

■ 94.0028, 102.4801,
113.0608

■ 10.4513, 11.8341,
13.2372

120.5757,
131.0799, 144.4640

■ 5.7638, 6.6308,
7.4595

151.7366,
164.5596, 181.2020

■ 2.7413, 3.2323,
3.6683

187.8506,
203.3036, 223.6936

■ 1.0185, 1.2542,
1.4452

229.2833,

■ 0.0000, 0.1053,

247.6964, 272.3571

0.1766

276.4000,
298.1223, 327.6112

■ 0.0000, 0.0000,
0.0000

■ 38.1579, 42.1165,
46.6756

■ 38.1579, 42.1165,
46.6756

■ 34.6249, 40.3213,
45.3845

■ 42.2019, 44.1770,
48.0110

■ 31.5781, 38.7751,
44.1339

■ 46.7730, 46.5078,
49.3889

■ 28.9962, 37.4682,
42.9235

■ 51.8914, 49.1203,
50.8112

■ 26.8546, 36.3879,
41.7520

■ 57.5750, 52.0236,
52.2788

■ 25.1269, 35.5205,
40.6182

■ 63.8406, 55.2267,
53.7927

■ 23.7833, 34.8508,
39.5206

■ 66.0717, 56.3494,
55.1368

■ 22.7904, 34.3614,
38.4575

■ 66.3129, 56.4459,
56.4070

■ 22.1090, 34.0322,
37.4270

■ 66.5578, 56.5438,
57.6965

■ 21.6660, 33.8256,
36.4255

■ 66.8063, 56.6433,
59.0056

Harmonies

Analogous

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



38.2674, 42.1165, 43.8670



38.1579, 42.1165, 46.6756



38.5436, 42.1165, 49.3724

Triad

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



38.1579, 42.1165, 46.6756



41.2396, 42.1165, 50.3065



40.7400, 42.1165, 40.9210

Complementary

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



38.1579, 42.1165, 46.6756



37.4887, 37.4822, 39.9111

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.



41.5551, 42.1165, 42.5139



38.1579, 42.1165, 46.6756



41.8469, 42.1165, 47.9078

Square

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



38.1579, 42.1165, 46.6756



40.3150, 42.1165, 51.5251



41.9633, 42.1165, 45.0494



39.7472, 42.1165, 40.6219

Rectangle

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



38.1579, 42.1165, 46.6756



39.0334, 42.1165, 50.7165



41.9633, 42.1165, 45.0494



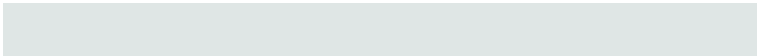
41.0444, 42.1165, 41.3196

Sweetspot

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



38.1591, 42.1183, 46.6765



72.5632, 77.5796, 85.0141



37.2880, 41.8199, 39.8255



15.5999, 16.7487, 18.3826



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.



38.1591, 42.1183, 46.6765



66.9039, 74.6989, 83.0888



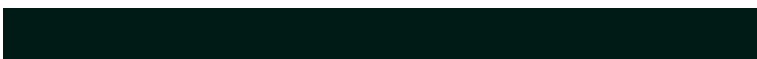
37.2231, 39.9290, 47.3423



8.6960, 9.6129, 10.6586



15.6840, 24.4996, 26.4023



0.5062, 0.7760, 0.8978

Inverse Universe

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



37.4887, 37.4822, 39.9111



65.4397, 64.5727, 68.3123



38.3602, 39.5102, 39.3232



8.5382, 8.5220, 9.0667



13.2557, 6.8198, 1.2405



0.4308, 0.2201, 0.1114

Previews

White Background



This preview shows how the XYZ color 38.1579, 42.1165, 46.6756 looks on a white background.

Color Contrast Check

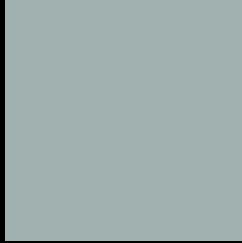
Large Text (above 18pt) WCAG AA × Fail

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 38.1579, 42.1165, 46.6756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

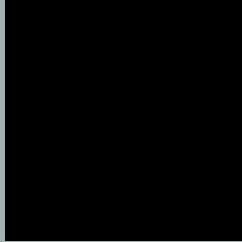
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

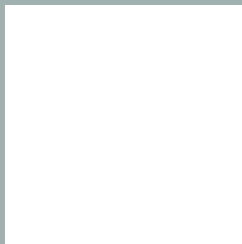
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1579, 42.1165, 46.6756

Background



This preview shows how black text looks on a background with the XYZ color 38.1579, 42.1165, 46.6756.

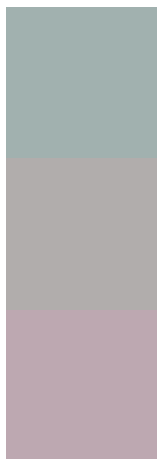


This preview shows how white text looks on a background with the XYZ color 38.1579, 42.1165,

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

38.1579, 42.1165, 46.6756

Protanopia

40.5214, 42.2128, 45.0419

Deuteranopia

42.9247, 41.9984, 47.4391



Tritanopia

39.6195, 42.1206, 54.1860

Trichromacy



Original Color

38.1579, 42.1165, 46.6756

Protanomaly

39.4735, 41.9472, 45.5513

Deuteranomaly

40.9898, 41.8441, 46.9906

Tritanomaly

39.0774, 42.1927, 51.4318

Monochromacy



Original Color

38.1579, 42.1165, 46.6756

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.8273, 41.6141, 45.5211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1579, 42.1165, 46.6756 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(161, 177, 175)` looks like.

```
.text, #text, p{  
    color:rgb(161, 177, 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(161, 177, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 177, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.1579, 42.1165, 46.6756 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(161, 177, 175) }
```


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

```
.border{ border-color:rgb(161, 177, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 177, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 177, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 177, 175);  
box-shadow:4px 4px 4px 4px rgb(161, 177,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1579, 42.1165, 46.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 177, 175) }
```

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

```
.background{ background-color: rgb(161,  
177, 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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