

Converting Colors

XYZ(38.6504, 42.0603, 42.8099)

Have a look what the booklet for
XYZ(38.6504, 42.0603, 42.8099)
contains.

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Color

**XYZ(38.6488, 42.1655,
42.6610)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B0A7
RGB	168, 176, 167
RGB Percent	66%, 69%, 65%
CMY	0.3412, 0.3098, 0.3451
CMYK	0.05, 0.00, 0.05, 0.31
HSL	113°, 5%, 67%
HSV	113°, 5%, 69%
XYZ	38.6488, 42.1655, 42.6610
YIQ	172.5820, -1.8790, -4.4950

Conversions

Conversions Part 2

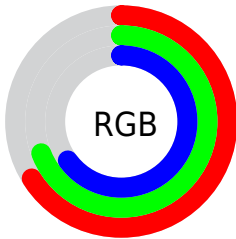
Format	Color
RYB	167, 176, 175
Decimal	11055271
CIELab	70.98, -4.51, 3.63
CIELCh	71, 5.785, 141.189
Yxy	42.1655, 0.3130, 0.3415
Android (android.graphics.Color)	4289245351 (0xFFA8B0A7)
YUV	172.5820, -2.7519, -4.0184
Hunter-Lab	64.9350, -7.3943, 6.5021

Details

The XYZ color **38.6488, 42.1655, 42.6610** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.3361, 39.8872, 46.7022**, and the grayscale version is **39.5229, 41.5812, 45.2819**.

A 20% lighter version of the original color is **72.4729, 78.6751, 80.4733**, and **17.5046, 19.3661, 19.0351** is the 20% darker color. If you saturate the color by 10%, you get **33.9984, 39.9447, 34.5201**, and if you desaturate by 10%, it is **43.9239, 44.6851, 51.9889**.

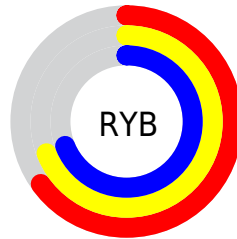
Distribution



Red (66%)

Green (69%)

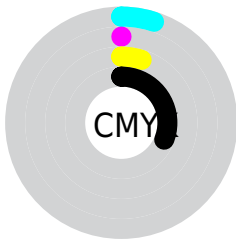
Blue (65%)



Red (65%)

Yellow (69%)

Blue (69%)

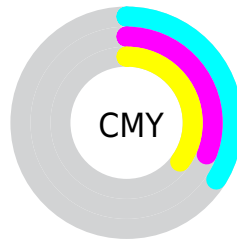


Cyan (5%)

Magenta (0%)

Yellow (5%)

Black (31%)



Cyan (34%)

Magenta (31%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6488, 42.1655, 42.6610 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 38.6488, 42.1655, 42.6610 by changing the saturation by 10% instead.

■ 38.6488, 42.1655,
42.6610

■ 38.6488, 42.1655,
42.6610

331.6280,
355.1685, 373.0959

■ 26.6661, 29.2309,
29.2898

■ 72.3990, 78.4500,
80.4799

■ 17.4579, 19.2556,
19.0527

■ 94.8972, 102.5688,
105.7647

■ 10.6588, 11.8551,
11.5312

121.6314,
131.1843, 135.8577

■ 5.9035, 6.6451,
6.3067

152.9668,
164.6811, 171.1776

■ 2.8266, 3.2411,
2.9606

189.2688,
203.4436, 212.1428

■ 1.0627, 1.2589,
1.0746

230.9027,

■ 0.0000, 0.1090,

247.8560, 259.1719

0.0000

278.2340,
298.3029, 312.6834

■ 0.0000, 0.0000,
0.0000

■ 38.6488, 42.1655,
42.6610

■ 38.6488, 42.1655,
42.6610

■ 33.9984, 39.9447,
34.5201

■ 43.9239, 44.6851,
51.9889

■ 29.9461, 38.0065,
27.5160

■ 49.8420, 47.5085,
62.5458

■ 26.4687, 36.3412,
21.5989

■ 56.4250, 50.6471,
74.3751

■ 23.5398, 34.9364,
16.7144

■ 63.6928, 54.1105,
87.5173

■ 21.1314, 33.7789,
12.8032

■ 71.6638, 57.9072,
102.0079

■ 19.2128, 32.8543,
9.8003

■ 74.8162, 59.5323,
102.1554

■ 17.7498, 32.1465,
7.6325

■ 16.7040, 31.6377,
6.2152

■ 16.0301, 31.3067,
5.4448

Harmonies

Analogous

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



39.4102, 42.1655, 41.1333



38.6488, 42.1655, 42.6610



38.2716, 42.1655, 45.1020

Triad

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



38.6488, 42.1655, 42.6610



39.7936, 42.1655, 51.3640



41.8318, 42.1655, 44.0174

Complementary

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



38.6488, 42.1655, 42.6610



39.3361, 39.8872, 46.7022

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.



41.9384, 42.1655, 46.7297



38.6488, 42.1655, 42.6610



40.7513, 42.1655, 51.0451

Square

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



38.6488, 42.1655, 42.6610



38.9255, 42.1655, 50.1767



41.5400, 42.1655, 49.3221



41.2510, 42.1655, 41.8943

Rectangle

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



38.6488, 42.1655, 42.6610



38.2846, 42.1655, 46.9498



41.5400, 42.1655, 49.3221



41.9246, 42.1655, 44.8878

Sweetspot

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



38.6500, 42.1673, 42.6619



72.9185, 77.8221, 82.3478



40.2016, 42.6626, 42.6758



15.8251, 16.8760, 17.8857



84.5950, 89.0005, 96.9216



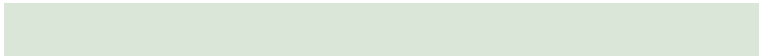
16.2198, 17.0645, 18.5832

Same Dimension

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



38.6500, 42.1673, 42.6619



69.2099, 76.0510, 75.8145



38.7614, 42.1874, 44.3550



8.7837, 9.6818, 9.5900



11.6222, 22.9015, 3.8079



0.3939, 0.7351, 0.1211

Inverse Universe

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



39.3361, 39.8872, 46.7022



70.6853, 71.1479, 84.5027



39.2241, 39.8684, 44.9369



8.9845, 9.0143, 10.7727



15.9053, 7.5353, 30.7531



0.5267, 0.2506, 0.9689

Previews

White Background



This preview shows how the XYZ color 38.6488, 42.1655, 42.6610 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 38.6488, 42.1655, 42.6610 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

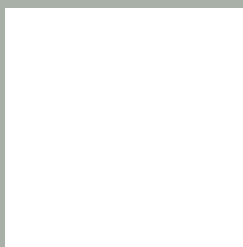
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6488, 42.1655, 42.6610

Background



This preview shows how black text looks on a background with the XYZ color 38.6488, 42.1655, 42.6610.



This preview shows how white text looks on a background with the XYZ color 38.6488, 42.1655,

42.6610.

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

38.6488, 42.1655, 42.6610

Protanopia

40.3255, 42.1875, 41.6149

Deuteranopia

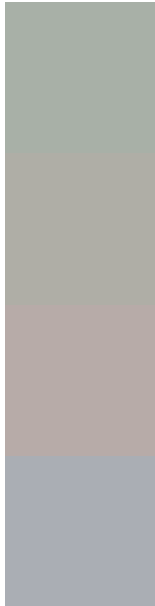
42.9023, 42.0763, 43.3965



Tritanopia

40.7078, 42.1329, 53.0006

Trichromacy



Original Color

38.6488, 42.1655, 42.6610

Protanomaly

39.6982, 42.1392, 42.1178

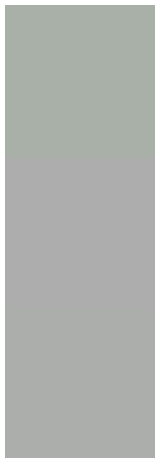
Deuteranomaly

41.1592, 42.0203, 42.9872

Tritanomaly

39.9518, 42.1134, 49.2030

Monochromacy



Original Color

38.6488, 42.1655, 42.6610

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2813, 41.8703, 44.5395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6488, 42.1655, 42.6610 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(168, 176, 167) looks like.

```
.text, #text, p{  
    color:rgb(168, 176, 167)  
}
```

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(168, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 176, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.6488, 42.1655, 42.6610 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(168, 176, 167) }
```


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

```
.border{ border-color:rgb(168, 176, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 176, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 176,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6488, 42.1655, 42.6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 176, 167) }
```

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

```
.background{ background-color: rgb(168,  
176, 167) }
```

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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