

Converting Colors

XYZ(38.8402, 42.5215, 42.6750)

Have a look what the booklet for
XYZ(38.8402, 42.5215, 42.6750)
contains.

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Color

**XYZ(38.8456, 42.5591,
42.7266)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B1A7
RGB	168, 177, 167
RGB Percent	66%, 69%, 65%
CMY	0.3412, 0.3059, 0.3451
CMYK	0.05, 0.00, 0.06, 0.31
HSL	114°, 6%, 67%
HSV	114°, 6%, 69%
XYZ	38.8456, 42.5591, 42.7266
YIQ	173.1690, -2.1540, -5.0180

Conversions

Conversions Part 2

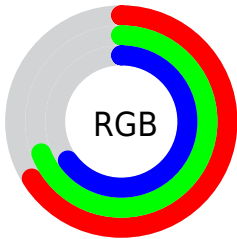
Format	Color
RYB	167, 177, 176
Decimal	11055527
CIELab	71.25, -5.04, 4.02
CIElCh	71, 6.447, 141.469
Yxy	42.5591, 0.3129, 0.3429
Android (android.graphics.Color)	4289245607 (0xFFA8B1A7)
YUV	173.1690, -3.0413, -4.5332
Hunter-Lab	65.2373, -7.8774, 6.8347

Details

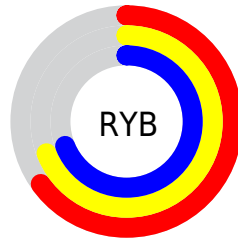
The XYZ color **38.8456, 42.5591, 42.7266** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.6607, 40.0431, 47.2359**, and the grayscale version is **39.8235, 41.8974, 45.6263**.

A 20% lighter version of the original color is **72.7552, 79.2397, 80.5674**, and **17.5046, 19.3661, 19.0351** is the 20% darker color. If you saturate the color by 10%, you get **34.1337, 40.3076, 34.5410**, and if you desaturate by 10%, it is **44.1995, 45.1182, 52.1132**.

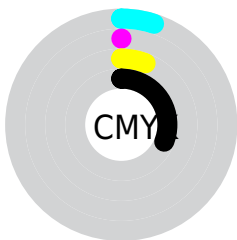
Distribution



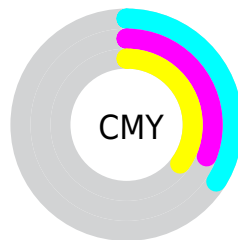
- Red (66%)
- Green (69%)
- Blue (65%)



- Red (65%)
- Yellow (69%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



- Cyan (34%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8456, 42.5591, 42.7266 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 38.8456, 42.5591, 42.7266 by changing the saturation by 10% instead.

■ 38.8456, 42.5591,
42.7266

■ 38.8456, 42.5591,
42.7266

332.4521,
356.7954, 373.3743

■ 26.8198, 29.5393,
29.3408

■ 72.6980, 79.0451,
80.5801

■ 17.5738, 19.4892,
19.0910

■ 95.2553, 103.2801,
105.8848

■ 10.7423, 12.0243,
11.5586

122.0538,
132.0224, 135.9997

■ 5.9598, 6.7602,
6.3250

153.4589,
165.6562, 171.3432

■ 2.8611, 3.3126,
2.9717

189.8359,
204.5660, 212.3339

■ 1.0807, 1.2970,
1.0802

231.5502,

■ 0.0089, 0.1389,

249.1362, 259.3903

0.0000

278.9671,
299.7512, 312.9309

0.0000, 0.0000,
0.0000

38.8456, 42.5591,
42.7266

38.8456, 42.5591,
42.7266

34.1337, 40.3076,
34.5410

44.1995, 45.1182,
52.1132

30.0362, 38.3467,
27.5053

50.2145, 47.9900,
62.7435

26.5288, 36.6664,
21.5689

56.9135, 51.1866,
74.6618

23.5843, 35.2536,
16.6762

64.3171, 54.7177,
87.9090

21.1731, 34.0946,
12.7669

72.3637, 58.5602,
102.0970

■ 19.2631, 33.1742,
9.7745

■ 75.0130, 59.9259,
102.2210

■ 17.8186, 32.4757,
7.6243

■ 16.7992, 31.9800,
6.2297

■ 16.1566, 31.6646,
5.4814

Harmonies

Analogous

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



39.6946, 42.5591, 41.0136



38.8456, 42.5591, 42.7266



38.4286, 42.5591, 45.4614

Triad

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



38.8456, 42.5591, 42.7266



40.1433, 42.5591, 52.4845



42.4181, 42.5591, 44.1932

Complementary

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



38.8456, 42.5591, 42.7266



39.6607, 40.0431, 47.2359

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.



42.5434, 42.5591, 47.2291



38.8456, 42.5591, 42.7266



41.2173, 42.5591, 52.1079

Square

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



38.8456, 42.5591, 42.7266



39.1691, 42.5591, 51.1580



42.1003, 42.5591, 50.1508



41.7609, 42.5591, 41.8337

Rectangle

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



38.8456, 42.5591, 42.7266



38.4465, 42.5591, 47.5343



42.1003, 42.5591, 50.1508



42.5243, 42.5591, 45.1652

Sweetspot

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



38.8468, 42.5609, 42.7275



72.9026, 77.8139, 82.3470



40.6337, 43.1899, 42.7547



15.8218, 16.8743, 17.8856



84.5950, 89.0005, 96.9216



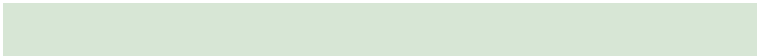
16.2198, 17.0645, 18.5832

Same Dimension

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



38.8468, 42.5609, 42.7275



68.2596, 75.5951, 74.2343



39.0105, 42.6019, 44.6962



8.6721, 9.6283, 9.4060



11.5930, 22.8865, 3.8065



0.3903, 0.7333, 0.1210

Inverse Universe

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



39.6607, 40.0431, 47.2359



70.0781, 69.9695, 84.3073



39.4945, 40.0028, 45.1764



8.9148, 8.8777, 10.7500



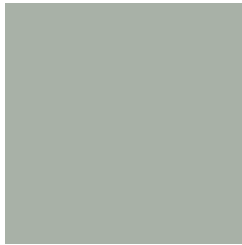
16.1833, 7.6786, 30.7662



0.5332, 0.2540, 0.9692

Previews

White Background



This preview shows how the XYZ color 38.8456, 42.5591, 42.7266 looks on a white background.

Color Contrast Check

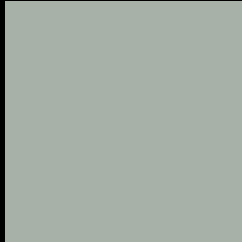
Large Text (above 18pt) WCAG AA × Fail

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 38.8456, 42.5591, 42.7266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

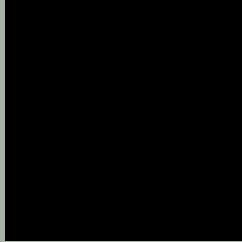
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

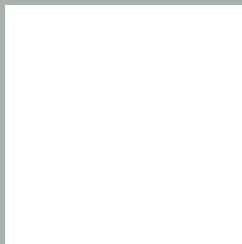
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8456, 42.5591, 42.7266

Background



This preview shows how black text looks on a background with the XYZ color 38.8456, 42.5591, 42.7266.



This preview shows how white text looks on a background with the XYZ color 38.8456, 42.5591,

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

38.8456, 42.5591, 42.7266

Protanopia

40.7500, 42.6920, 41.6899

Deuteranopia

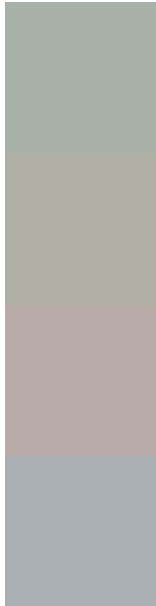
43.1564, 42.2073, 43.4084



Tritanopia

41.0077, 42.5609, 53.6307

Trichromacy



Original Color

38.8456, 42.5591, 42.7266

Protanomaly

40.1174, 42.6432, 42.1929

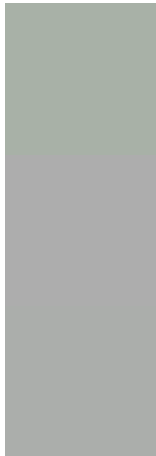
Deuteranomaly

41.3980, 42.1433, 42.9984

Tritanomaly

40.1458, 42.5013, 49.2677

Monochromacy



Original Color

38.8456, 42.5591, 42.7266

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 38.8456, 42.5591, 42.7266 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, 177, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 177, 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, 177, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 177, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.8456, 42.5591, 42.7266 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, 177, 167) }
```


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

```
.border{ border-color:rgb(168, 177, 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, 177, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 177, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 177, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 177,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8456, 42.5591, 42.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 177, 167) }
```

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

```
.background{ background-color: rgb(168,  
177, 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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