

Converting Colors

XYZ(38.2233, 42.3042, 45.1764)

Have a look what the booklet for
XYZ(38.2233, 42.3042, 45.1764)
contains.

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Color

**XYZ(38.0688, 42.1042,
45.1502)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B1AC
RGB	162, 177, 172
RGB Percent	64%, 69%, 67%
CMY	0.3647, 0.3059, 0.3255
CMYK	0.08, 0.00, 0.03, 0.31
HSL	160°, 9%, 66%
HSV	160°, 8%, 69%
XYZ	38.0688, 42.1042, 45.1502
YIQ	171.9450, -7.3350, -4.7350

Conversions

Conversions Part 2

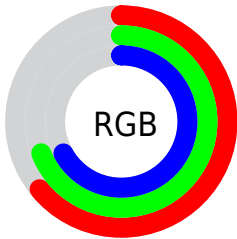
Format	Color
RYB	162, 171, 177
Decimal	10662316
CIELab	70.94, -6.19, 0.76
CIElCh	71, 6.235, 172.995
Yxy	42.1042, 0.3038, 0.3360
Android (android.graphics.Color)	4288852396 (0xFFA2B1AC)
YUV	171.9450, 0.0271, -8.7218
Hunter-Lab	64.8877, -8.8299, 4.1663

Details

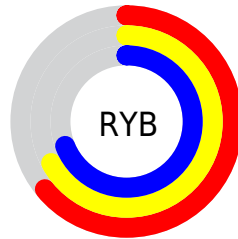
The XYZ color **38.0688, 42.1042, 45.1502** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0283, 37.9788, 41.8875**, and the grayscale version is **39.1883, 41.2292, 44.8986**.

A 20% lighter version of the original color is **71.6193, 78.5756, 84.0649**, and **17.0282, 19.0864, 20.5559** is the 20% darker color. If you saturate the color by 10%, you get **34.1692, 40.1591, 42.0746**, and if you desaturate by 10%, it is **42.5021, 44.3239, 48.3840**.

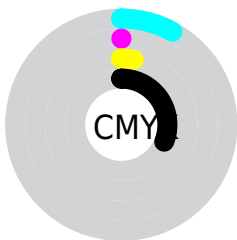
Distribution



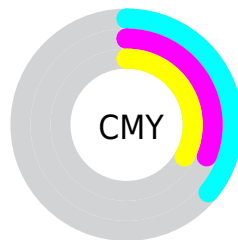
- Red (64%)
- Green (69%)
- Blue (67%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



- Cyan (36%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0688, 42.1042, 45.1502 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 38.0688, 42.1042, 45.1502 by changing the saturation by 10% instead.

■ 38.0688, 42.1042,
45.1502

■ 38.0688, 42.1042,
45.1502

329.1908,
354.9147, 383.5594

■ 26.2135, 29.1829,
31.2319

■ 71.5168, 78.3573,
84.2666

■ 17.1170, 19.2192,
20.5156

■ 93.8403, 102.4579,
110.3018

■ 10.4138, 11.8288,
12.5826

120.3838,
131.0537, 141.2131

■ 5.7385, 6.6272,
7.0144

151.5129,
164.5291, 177.4190

■ 2.7259, 3.2301,
3.3925

187.5927,
203.2685, 219.3380

■ 1.0105, 1.2530,
1.2984

228.9887,

■ 0.0000, 0.1044,

247.6563, 267.3887

0.0605

276.0663,
298.0769, 321.9897

■ 0.0000, 0.0000,
0.0000

■ 38.0688, 42.1042,
45.1502

■ 38.0688, 42.1042,
45.1502

■ 34.1692, 40.1591,
42.0746

■ 42.5021, 44.3239,
48.3840

■ 30.7783, 38.4722,
39.1517

■ 47.4857, 46.8231,
51.7757

■ 27.8746, 37.0337,
36.3796

■ 53.0397, 49.6134,
55.3289

■ 25.4334, 35.8307,
33.7555

■ 59.1824, 52.7041,
59.0460

■ 23.4279, 34.8497,
31.2763

■ 65.9309, 56.1042,
62.9293

■ 21.8284, 34.0752,
28.9388

■ 68.2762, 57.2312,
66.7460

■ 20.6013, 33.4900,
26.7395

■ 69.0135, 57.5261,
70.6283

■ 19.7074, 33.0739,
24.6747

■ 69.7780, 57.8319,
74.6544

■ 19.0793, 32.7923,
22.7392

■ 70.5702, 58.1488,
78.8257

Harmonies

Analogous

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



38.4448, 42.1042, 42.4867



38.0688, 42.1042, 45.1502



38.2081, 42.1042, 48.1156

Triad

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



38.0688, 42.1042, 45.1502



40.8042, 42.1042, 51.3145



41.2331, 42.1042, 41.4261

Complementary

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



38.0688, 42.1042, 45.1502



38.0283, 37.9788, 41.8875

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.



41.8858, 42.1042, 43.6457



38.0688, 42.1042, 45.1502



41.6352, 42.1042, 49.3743

Square

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



38.0688, 42.1042, 45.1502



39.7757, 42.1042, 51.7598



42.0342, 42.1042, 46.5455



40.2629, 42.1042, 40.3977

Rectangle

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



38.0688, 42.1042, 45.1502



38.5755, 42.1042, 49.8570



42.0342, 42.1042, 46.5455



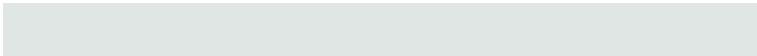
41.4976, 42.1042, 42.0529

Sweetspot

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



38.0700, 42.1060, 45.1511



72.3641, 77.4999, 83.9659



38.2343, 42.2975, 40.3321



15.5456, 16.7270, 18.0969



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.



38.0700, 42.1060, 45.1511



66.9288, 74.7821, 79.9068



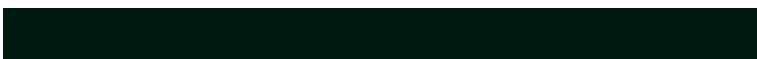
38.1188, 41.4201, 47.5829



8.6198, 9.5824, 10.2574



13.7886, 23.7414, 16.4214



0.4596, 0.7573, 0.6521

Inverse Universe

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



38.0283, 37.9788, 41.8875



66.8404, 66.0137, 72.9732



37.9746, 38.5973, 39.6316



8.6094, 8.5505, 9.4413



13.7348, 7.0115, 3.7636



0.4599, 0.2317, 0.2647

Previews

White Background



This preview shows how the XYZ color 38.0688, 42.1042, 45.1502 looks on a white background.

Color Contrast Check

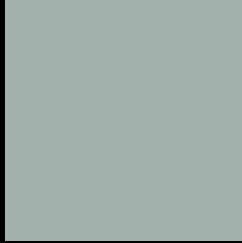
Large Text (above 18pt) WCAG AA × Fail

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 38.0688, 42.1042, 45.1502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

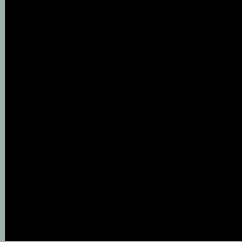
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

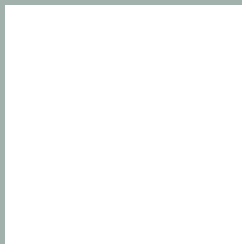
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0688, 42.1042, 45.1502

Background



This preview shows how black text looks on a background with the XYZ color 38.0688, 42.1042, 45.1502.



This preview shows how white text looks on a background with the XYZ color 38.0688, 42.1042,

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

38.0688, 42.1042, 45.1502

Protanopia

40.3307, 42.1365, 44.0377

Deuteranopia

42.8778, 42.0084, 45.8929



Tritanopia

39.9241, 42.2901, 53.6355

Trichromacy



Original Color

38.0688, 42.1042, 45.1502

Protanomaly

39.5000, 41.9830, 44.5497

Deuteranomaly

40.9281, 41.8462, 45.4552

Tritanomaly

39.2787, 42.3206, 50.3544

Monochromacy



Original Color

38.0688, 42.1042, 45.1502

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.7309, 41.5755, 45.0133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0688, 42.1042, 45.1502 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(162, 177, 172)` looks like.

```
.text, #text, p{  
    color:rgb(162, 177, 172)  
}
```

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(162, 177, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 177, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.0688, 42.1042, 45.1502 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(162, 177, 172) }
```


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

```
.border{ border-color:rgb(162, 177, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 177, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(162, 177,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0688, 42.1042, 45.1502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 177, 172) }
```

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

```
.background{ background-color: rgb(162,  
177, 172) }
```

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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