

Converting Colors

XYZ(42.4617, 47.9492, 60.6372)

Have a look what the booklet for
XYZ(42.4617, 47.9492, 60.6372)
contains.

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Color

**XYZ(42.5111, 48.0722,
60.4644)**

Conversions

Conversions Part 1

Format	Color
Hex	9DBEC6
RGB	157, 190, 198
RGB Percent	62%, 75%, 78%
CMY	0.3843, 0.2549, 0.2235
CMYK	0.21, 0.04, 0.00, 0.22
HSL	192°, 26%, 70%
HSV	192°, 21%, 78%
XYZ	42.5111, 48.0722, 60.4644
YIQ	181.0450, -22.2360, -4.5080

Conversions

Conversions Part 2

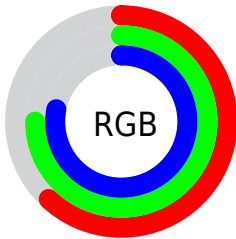
Format	Color
RYB	157, 175, 198
Decimal	10337990
CIELab	74.87, -9.31, -7.72
CIElCh	75, 12.090, 219.667
Yxy	48.0722, 0.2814, 0.3183
Android (android.graphics.Color)	4288528070 (0xFF9DBEC6)
YUV	181.0450, 8.3588, -21.0875
Hunter-Lab	69.3341, -11.8903, -3.1713

Details

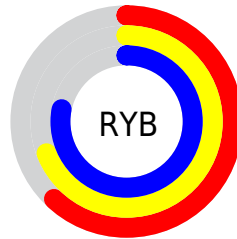
The XYZ color **42.5111, 48.0722, 60.4644** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8301, 41.3504, 37.6233**, and the grayscale version is **43.9113, 46.1981, 50.3097**.

A 20% lighter version of the original color is **78.1571, 87.1286, 107.3059**, and **19.8054, 22.9082, 29.7634** is the 20% darker color. If you saturate the color by 10%, you get **38.1316, 44.5902, 60.0239**, and if you desaturate by 10%, it is **47.5416, 51.9252, 60.9437**.

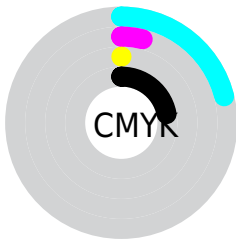
Distribution



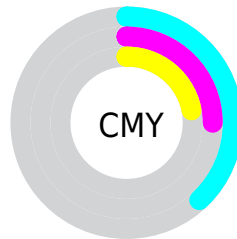
- Red (62%)
- Green (75%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5111, 48.0722, 60.4644 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 42.5111, 48.0722, 60.4644 by changing the saturation by 10% instead.

■ 42.5111, 48.0722,
60.4644

■ 42.5111, 48.0722,
60.4644

347.5530,
379.0782, 444.1595

■ 29.6946, 33.8841,
43.3653

■ 78.2329, 87.3119,
107.0530

■ 19.7538, 22.8046,
29.8383

■ 101.8689,
113.1322, 137.3796

■ 12.3234, 14.4493,
19.4649

129.8420,
143.5988, 172.9525

■ 7.0381, 8.4338,
11.8265

162.5177,
179.0959, 214.1901

■ 3.5325, 4.3738,
6.5045

200.2613,
220.0080, 261.5111

■ 1.4412, 1.8848,
3.0805

243.4381,

■ 0.2853, 0.5392,

266.7195, 315.3340

1.1359

292.4136,
319.6148, 376.0773

■ 0.0000, 0.0000,
0.0000

■ 42.5111, 48.0722,
60.4644

■ 42.5111, 48.0722,
60.4644

■ 38.1316, 44.5902,
60.0239

■ 47.5416, 51.9252,
60.9437

■ 34.3686, 41.4575,
59.6176

■ 53.2472, 56.1581,
61.4601

■ 31.1908, 38.6588,
59.2449

■ 59.6558, 60.7868,
62.0157

■ 28.5623, 36.1755,
58.9041

■ 66.7924, 65.8246,
62.6120

■ 26.4431, 33.9866,
58.5933

■ 74.3111, 71.0931,
63.2326

■ 24.7876, 32.0684,
58.3103

■ 75.2722, 73.0152,
63.5530

■ 23.5417, 30.3927,
58.0525

■ 76.2563, 74.9836,
63.8810

■ 22.6565, 29.0039,
57.8311

■ 77.2638, 76.9986,
64.2169

■ 78.2948, 79.0605,
64.5605

Harmonies

Analogous

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



41.6459, 48.0722, 54.4037



42.5111, 48.0722, 60.4644



44.2367, 48.0722, 64.5466

Triad

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



42.5111, 48.0722, 60.4644



49.7745, 48.0722, 56.6668



44.9844, 48.0722, 41.2830

Complementary

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



42.5111, 48.0722, 60.4644



42.8301, 41.3504, 37.6233

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.



47.1772, 48.0722, 41.7826



42.5111, 48.0722, 60.4644



49.9903, 48.0722, 50.3339

Square

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



42.5111, 48.0722, 60.4644



48.4455, 48.0722, 62.2349



49.0260, 48.0722, 44.9825



43.0433, 48.0722, 43.5581

Rectangle

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



42.5111, 48.0722, 60.4644



45.6666, 48.0722, 65.4185



49.0260, 48.0722, 44.9825



45.7158, 48.0722, 41.1364

Sweetspot

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



42.5125, 48.0742, 60.4655



88.6987, 95.3234, 108.3321



40.8472, 50.2562, 42.9155



18.8431, 20.2975, 23.1746



0.0000, 0.0000, 0.0000



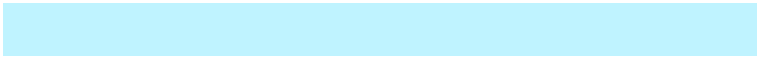
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5125, 48.0742, 60.4655



71.5192, 82.1697, 106.6986



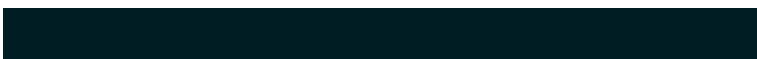
38.4702, 39.9895, 59.1180



10.7641, 11.7024, 13.6089



14.7943, 18.9825, 37.6286



0.7468, 0.9914, 1.7971

Inverse Universe

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



44.6411, 39.8385, 54.0542



76.0373, 65.0755, 93.0030



46.7278, 49.1459, 38.9225



10.9910, 10.7798, 12.9358



19.2668, 9.4563, 22.4126



0.9356, 0.4571, 1.1843

Previews

White Background



This preview shows how the XYZ color 42.5111, 48.0722, 60.4644 looks on a white background.

Color Contrast Check

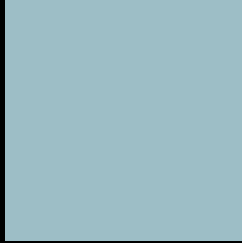
Large Text (above 18pt) WCAG AA × Fail

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 42.5111, 48.0722, 60.4644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

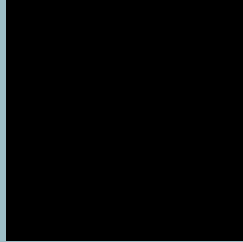
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5111, 48.0722, 60.4644

Background



This preview shows how black text looks on a background with the XYZ color 42.5111, 48.0722, 60.4644.



This preview shows how white text looks on a background with the XYZ color 42.5111, 48.0722,

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

42.5111, 48.0722, 60.4644

Protanopia

46.4383, 47.9524, 57.8471

Deuteranopia

48.7936, 47.8797, 61.3136



Tritanopia

43.1972, 48.0239, 64.1195

Trichromacy



Original Color

42.5111, 48.0722, 60.4644

Protanomaly

44.8648, 48.0566, 58.5410

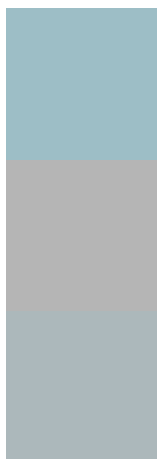
Deuteranomaly

46.2983, 47.8143, 60.8217

Tritanomaly

42.9588, 47.9286, 62.8641

Monochromacy



Original Color

42.5111, 48.0722, 60.4644

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.1234, 46.6395, 53.7432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5111, 48.0722, 60.4644 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(157, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(157, 190, 198)  
}
```

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(157, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 190, 198) }
```

Border

The CSS property to change the border of an element to XYZ 42.5111, 48.0722, 60.4644 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(157, 190, 198) }
```


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

```
.border{ border-color:rgb(157, 190, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 190,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5111, 48.0722, 60.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 190, 198) }
```

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

```
.background{ background-color: rgb(157,  
190, 198) }
```

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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