

Converting Colors

XYZ(42.6109, 50.9824, 42.8287)

Have a look what the booklet for
XYZ(42.6109, 50.9824, 42.8287)
contains.

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Color

**XYZ(42.3930, 50.7198,
42.6775)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C5A4
RGB	166, 197, 164
RGB Percent	65%, 77%, 64%
CMY	0.3490, 0.2274, 0.3569
CMYK	0.16, 0.00, 0.17, 0.23
HSL	116°, 22%, 71%
HSV	116°, 17%, 77%
XYZ	42.3930, 50.7198, 42.6775
YIQ	183.9690, -7.8830, -16.8350

Conversions

Conversions Part 2

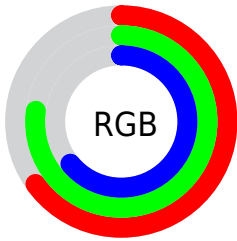
Format	Color
RYB	164, 197, 195
Decimal	10929572
CIELab	76.51, -16.72, 13.13
CIELCh	77, 21.263, 141.861
Yxy	50.7198, 0.3122, 0.3735
Android (android.graphics.Color)	4289119652 (0xFFA6C5A4)
YUV	183.9690, -9.8447, -15.7588
Hunter-Lab	71.2178, -18.3776, 14.3228

Details

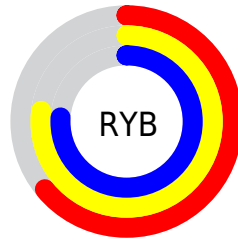
The XYZ color **42.3930, 50.7198, 42.6775** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.8611, 42.1856, 58.5514**, and the grayscale version is **45.5997, 47.9745, 52.2442**.

A 20% lighter version of the original color is **78.0468, 91.3702, 80.5406**, and **19.6865, 24.3922, 18.9998** is the 20% darker color. If you saturate the color by 10%, you get **37.1458, 48.2061, 33.8533**, and if you desaturate by 10%, it is **48.4768, 53.6358, 52.9816**.

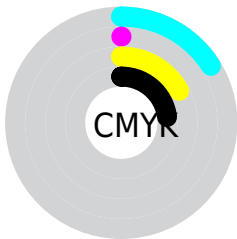
Distribution



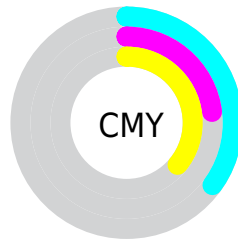
- Red (65%)
- Green (77%)
- Blue (64%)



- Red (64%)
- Yellow (77%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)





- Cyan (35%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3930, 50.7198, 42.6775 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 42.3930, 50.7198, 42.6775 by changing the saturation by 10% instead.


 42.3930, 50.7198,
42.6775


 42.3930, 50.7198,
42.6775


347.0735,
389.4742, 373.1660

 29.6016, 35.9857,
29.3026


 78.0555, 91.2405,
80.5051

 19.6830, 24.4231,
19.0623


 101.6573,
117.7958, 105.7949

 12.2717, 15.6478,
11.5381

129.5933,
149.0602, 135.8934

 7.0025, 9.2753,
6.3113

162.2289,
185.4183, 171.2193

 3.5100, 4.9212,
2.9634

199.9293,
227.2543, 212.1909

 1.4289, 2.2011,
1.0760

243.0600,

 0.2766, 0.7206,

274.9527, 259.2268

0.0000

291.9862,
328.8979, 312.7457

■ 0.0000, 0.0000,
0.0000

■ 42.3930, 50.7198,
42.6775

■ 42.3930, 50.7198,
42.6775

■ 37.1458, 48.2061,
33.8533

■ 48.4768, 53.6358,
52.9816

■ 32.6948, 46.0711,
26.4380

■ 55.4274, 56.9640,
64.8255

■ 29.0023, 44.2983,
20.3596

■ 63.2782, 60.7218,
78.2701

■ 26.0259, 42.8675,
15.5386

■ 72.0599, 64.9238,
93.3719

■ 23.7191, 41.7567,
11.8869

■ 79.2572, 68.4144,
103.6357

■ 22.0298, 40.9412,
9.3054

■ 20.8983, 40.3928,
7.6782

■ 20.2507, 40.0766,
6.8520

■ 20.1180, 40.0121,
6.6628

Harmonies

Analogous

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



45.3928, 50.7198, 37.1587



42.3930, 50.7198, 42.6775



40.9694, 50.7198, 52.1569

Triad

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



42.3930, 50.7198, 42.6775



47.1240, 50.7198, 80.1012



55.7250, 50.7198, 47.4028

Complementary

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



42.3930, 50.7198, 42.6775



45.8611, 42.1856, 58.5514

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.



56.2519, 50.7198, 58.4116



42.3930, 50.7198, 42.6775



51.1366, 50.7198, 78.3639

Square

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



42.3930, 50.7198, 42.6775



43.6001, 50.7198, 74.4813



54.5311, 50.7198, 70.0189



53.1289, 50.7198, 39.6119

Rectangle

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



42.3930, 50.7198, 42.6775



41.0474, 50.7198, 59.8902



54.5311, 50.7198, 70.0189



56.1556, 50.7198, 50.8090

Sweetspot

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



42.3944, 50.7220, 42.6786



88.7945, 97.0045, 98.2452



49.1993, 53.4938, 42.8550



18.8245, 20.6762, 20.7204



0.0000, 0.0000, 0.0000



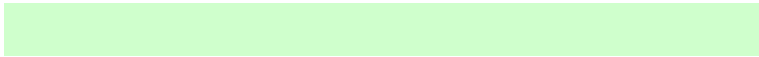
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3944, 50.7220, 42.6786



72.4164, 89.1580, 70.5192



43.3437, 51.0536, 49.8489



10.5560, 11.9180, 11.3068



13.2565, 26.3293, 4.3834



0.6489, 1.2576, 0.2085

Inverse Universe

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



45.8611, 42.1856, 58.5514



79.7551, 71.0843, 104.1248



44.8192, 41.8289, 50.3495



11.0172, 10.7826, 13.4181



19.8245, 9.4541, 35.5243



0.9584, 0.4578, 1.6830

Previews

White Background



This preview shows how the XYZ color 42.3930, 50.7198, 42.6775 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 42.3930, 50.7198, 42.6775 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 42.3930, 50.7198, 42.6775

Background



This preview shows how black text looks on a background with the XYZ color 42.3930, 50.7198, 42.6775.



This preview shows how white text looks on a background with the XYZ color 42.3930, 50.7198,

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

42.3930, 50.7198, 42.6775

Protanopia

47.5299, 50.4754, 40.0385

Deuteranopia

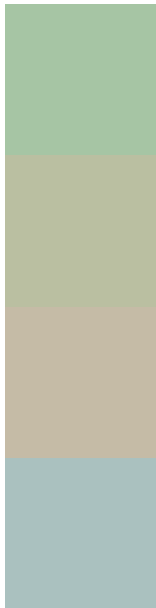
51.2305, 50.1339, 43.5359



Tritanopia

47.0050, 50.6021, 65.6823

Trichromacy



Original Color

42.3930, 50.7198, 42.6775

Protanomaly

45.3135, 50.2739, 41.0338

Deuteranomaly

47.6792, 50.1641, 43.2461

Tritanomaly

45.0515, 50.4476, 56.6531

Monochromacy



Original Color

42.3930, 50.7198, 42.6775

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.2649, 48.9166, 48.7038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3930, 50.7198, 42.6775 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(166, 197, 164) looks like.

```
.text, #text, p{  
    color:rgb(166, 197, 164)  
}
```

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(166, 197, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 197, 164) }
```

Border

The CSS property to change the border of an element to XYZ 42.3930, 50.7198, 42.6775 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(166, 197, 164) }
```


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

```
.border{ border-color:rgb(166, 197, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 197, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 197, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 197, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 197,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3930, 50.7198, 42.6775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 197, 164) }
```

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

```
.background{ background-color: rgb(166,  
197, 164) }
```

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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