

Converting Colors

XYZ(42.0966, 56.1380, 42.9830)

Have a look what the booklet for
XYZ(42.0966, 56.1380, 42.9830)
contains.

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Color

**XYZ(42.1699, 56.3081,
42.8284)**

Conversions

Conversions Part 1

Format	Color
Hex	92D5A2
RGB	146, 213, 162
RGB Percent	57%, 84%, 64%
CMY	0.4274, 0.1647, 0.3647
CMYK	0.31, 0.00, 0.24, 0.16
HSL	134°, 44%, 70%
HSV	134°, 31%, 84%
XYZ	42.1699, 56.3081, 42.8284
YIQ	187.1530, -23.5610, -30.0650

Conversions

Conversions Part 2

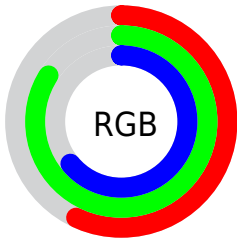
Format	Color
RYB	146, 200, 213
Decimal	9622946
CIELab	79.79, -31.53, 18.61
CIELCh	80, 36.616, 149.446
Yxy	56.3081, 0.2984, 0.3985
Android (android.graphics.Color)	4287813026 (0xFF92D5A2)
YUV	187.1530, -12.4004, -36.0912
Hunter-Lab	75.0387, -31.0052, 18.6873

Details

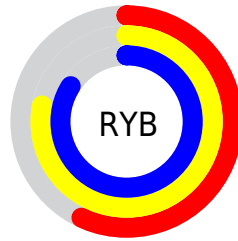
The XYZ color **42.1699, 56.3081, 42.8284** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.7994, 38.7364, 57.7832**, and the grayscale version is **47.3990, 49.8674, 54.3056**.

A 20% lighter version of the original color is **72.3718, 88.9473, 78.9998**, and **19.5555, 27.9067, 19.1077** is the 20% darker color. If you saturate the color by 10%, you get **37.3810, 53.9969, 35.5600**, and if you desaturate by 10%, it is **47.8531, 59.0621, 51.1111**.

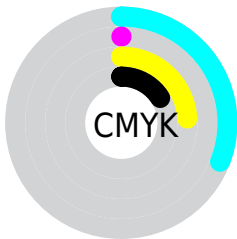
Distribution



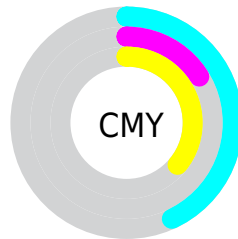
- Red (57%)
- Green (84%)
- Blue (64%)



- Red (57%)
- Yellow (78%)
- Blue (84%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)





- Cyan (43%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1699, 56.3081, 42.8284 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 42.1699, 56.3081, 42.8284 by changing the saturation by 10% instead.


 42.1699, 56.3081,
42.8284


 42.1699, 56.3081,
42.8284


346.1664,
410.8516, 373.8060

 29.4260, 40.4500,
29.4201


 77.7202, 99.4549,
80.7354

 19.5492, 27.8896,
19.1505

 101.2574,
127.5124, 106.0712

 12.1742, 18.2424,
11.6012


129.1231,
160.4052, 136.2199

 6.9355, 11.1242,
6.3535

161.6827,
198.5176, 171.6001

 3.4677, 6.1504,
2.9890

199.3014,
242.2340, 212.6302

 1.4057, 2.9368,
1.0890

242.3447,

 0.2603, 1.0988,

291.9389, 259.7289

0.0000

291.1779,
348.0166, 313.3147

■ 0.0000, 0.0000,
0.0000

■ 42.1699, 56.3081,
42.8284

■ 42.1699, 56.3081,
42.8284

■ 37.3810, 53.9969,
35.5600

■ 47.8531, 59.0621,
51.1111

■ 33.4356, 52.0982,
29.2633

■ 54.4690, 62.2730,
60.4413

■ 30.2847, 50.5893,
23.8980

■ 62.0592, 65.9633,
70.8552

■ 27.8720, 49.4422,
19.4194

■ 70.6614, 70.1515,
82.3861

■ 26.1337, 48.6248,
15.7795

■ 80.3112, 74.8556,
95.0660

■ 24.9945, 48.0996,
12.9253

■ 83.0853, 76.0706,
104.9118

■ 24.3899, 47.8285,
11.0628

Harmonies

Analogous

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



46.8200, 56.3081, 32.2135



42.1699, 56.3081, 42.8284



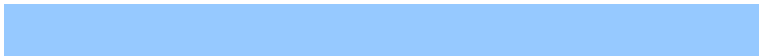
40.5062, 56.3081, 60.9164

Triad

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



42.1699, 56.3081, 42.8284



53.3816, 56.3081, 111.7958



66.9010, 56.3081, 43.3684

Complementary

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



42.1699, 56.3081, 42.8284



47.7994, 38.7364, 57.7832

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.



69.0574, 56.3081, 61.7052



42.1699, 56.3081, 42.8284



60.8287, 56.3081, 104.1188

Square

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



42.1699, 56.3081, 42.8284



46.6022, 56.3081, 103.5585



66.7413, 56.3081, 84.4644



61.0888, 56.3081, 32.4709

Rectangle

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



42.1699, 56.3081, 42.8284



41.1840, 56.3081, 75.9128



66.7413, 56.3081, 84.4644



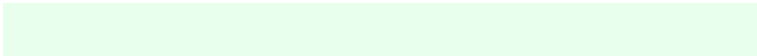
68.1000, 56.3081, 48.7113

Sweetspot

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



42.1714, 56.3105, 42.8297



84.4187, 94.8297, 94.3824



52.1068, 61.5864, 36.3358



17.7260, 20.1307, 19.7268



0.0000, 0.0000, 0.0000



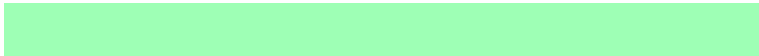
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1714, 56.3105, 42.8297



58.2454, 82.1453, 56.6311



45.5154, 57.6481, 60.4392



12.3828, 13.9441, 13.8301



14.9313, 29.2279, 6.9341



0.9334, 1.7760, 0.5909

Inverse Universe

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



47.7994, 38.7364, 57.7832



68.0295, 51.5661, 82.6074



44.4099, 37.3806, 39.9344



12.8203, 12.5796, 14.9940



20.7946, 10.2542, 22.0201



1.2855, 0.6310, 1.4927

Previews

White Background



This preview shows how the XYZ color 42.1699, 56.3081, 42.8284 looks on a white background.

Color Contrast Check

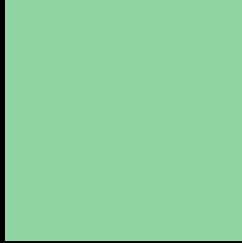
Large Text (above 18pt) WCAG AA × Fail

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 42.1699, 56.3081, 42.8284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

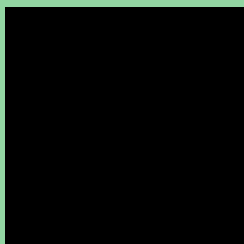
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

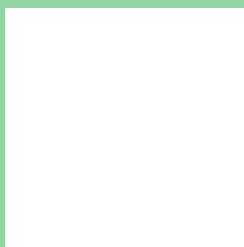
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1699, 56.3081, 42.8284

Background



This preview shows how black text looks on a background with the XYZ color 42.1699, 56.3081, 42.8284.



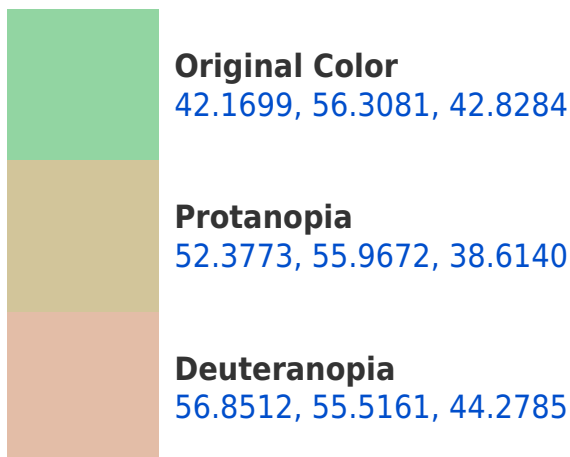
This preview shows how white text looks on a background with the XYZ color 42.1699, 56.3081,

42.8284.

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





Tritanopia

49.1167, 56.2057, 77.3673

Trichromacy



Original Color

42.1699, 56.3081, 42.8284

Protanomaly

47.9353, 55.7110, 40.1251

Deuteranomaly

50.2743, 55.1105, 43.5850

Tritanomaly

46.3076, 56.1519, 63.0413

Monochromacy



Original Color

42.1699, 56.3081, 42.8284

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

44.7891, 51.4649, 49.6926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1699, 56.3081, 42.8284 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(146, 213, 162)` looks like.

```
.text, #text, p{  
    color:rgb(146, 213, 162)  
}
```

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(146, 213, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 213, 162) }
```

Border

The CSS property to change the border of an element to XYZ 42.1699, 56.3081, 42.8284 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(146, 213, 162) }
```


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

```
.border{ border-color:rgb(146, 213, 162) }
```

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

Here you see how a box with a 4 pixel rgb(146, 213, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 213, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 213, 162);  
box-shadow:4px 4px 4px 4px rgb(146, 213,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1699, 56.3081, 42.8284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 213, 162) }
```

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

```
.background{ background-color: rgb(146,  
213, 162) }
```

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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