

Converting Colors

XYZ(42.4115, 54.8589, 30.5448)

Have a look what the booklet for
XYZ(42.4115, 54.8589, 30.5448)
contains.

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Color

**XYZ(42.5154, 54.9122,
30.5486)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D085
RGB	166, 208, 133
RGB Percent	65%, 82%, 52%
CMY	0.3490, 0.1843, 0.4784
CMYK	0.20, 0.00, 0.36, 0.18
HSL	94°, 44%, 67%
HSV	94°, 36%, 82%
XYZ	42.5154, 54.9122, 30.5486
YIQ	186.8920, -0.9570, -32.2290

Conversions

Conversions Part 2

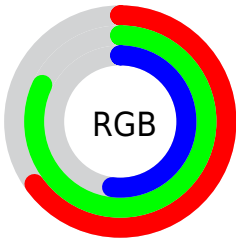
Format	Color
RYB	133, 208, 175
Decimal	10932357
CIELab	78.99, -27.05, 32.85
CIELCh	79, 42.553, 129.475
Yxy	54.9122, 0.3322, 0.4291
Android (android.graphics.Color)	4289122437 (0xFFA6D085)
YUV	186.8920, -26.5688, -18.3223
Hunter-Lab	74.1028, -27.2680, 27.4298

Details

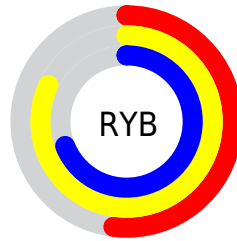
The XYZ color **42.5154, 54.9122, 30.5486** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.4542, 30.4446, 63.5799**, and the grayscale version is **47.3199, 49.7842, 54.2150**.

A 20% lighter version of the original color is **74.8538, 90.6375, 60.5633**, and **19.7243, 26.9024, 12.1357** is the 20% darker color. If you saturate the color by 10%, you get **38.8863, 53.1929, 23.6059**, and if you desaturate by 10%, it is **46.6531, 56.8641, 39.0027**.

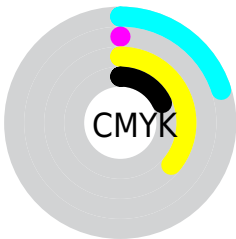
Distribution



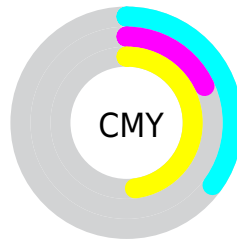
- Red (65%)
- Green (82%)
- Blue (52%)



- Red (52%)
- Yellow (82%)
- Blue (69%)



- Cyan (20%)
- Magenta (0%)
- Yellow (36%)
- Black (18%)



- Cyan (35%)
- Magenta (18%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5154, 54.9122, 30.5486 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 42.5154, 54.9122, 30.5486 by changing the saturation by 10% instead.

■ 42.5154, 54.9122,
30.5486

■ 42.5154, 54.9122,
30.5486

347.5704,
405.5790, 318.7398

■ 29.6979, 39.3314,
19.9998

■ 78.2393, 97.4123,
61.5999

■ 19.7564, 27.0177,
12.2108

■ 101.8766,
125.1004, 82.9395

■ 12.3253, 17.5865,
6.7631

■ 129.8511,
157.5931, 108.7131

■ 7.0394, 10.6535,
3.2382

162.5282,
195.2748, 139.3392

■ 3.5333, 5.8344,
1.2175

200.2734,
238.5298, 175.2364

■ 1.4417, 2.7446,
0.0000

243.4519,

■ 0.2856, 0.9999,

287.7426, 216.8232

0.0000

292.4291,
343.2975, 264.5182

■ 0.0000, 0.0000,
0.0000

■ 42.5154, 54.9122,
30.5486

■ 42.5154, 54.9122,
30.5486

■ 38.8863, 53.1929,
23.6059

■ 46.6531, 56.8641,
39.0027

■ 35.7389, 51.6894,
18.0819

■ 51.3163, 59.0506,
49.0466

■ 33.0499, 50.3934,
13.8793


■ 56.5264, 61.4827,
60.7574


■ 30.7918, 49.2932,
10.8867


■ 62.3018, 64.1683,
74.2062


■ 28.9334, 48.3756,
8.9749


■ 68.6604, 67.1153,
89.4600

 27.4370, 47.6246,
7.9818

 75.1641, 70.1489,
104.1863

 26.9223, 47.3644,
7.7233

 79.1568, 72.2072,
104.3731

 81.8470, 73.5940,
104.4990

Harmonies

Analogous

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



49.5590, 54.9122, 24.5957



42.5154, 54.9122, 30.5486



38.3876, 54.9122, 44.8934

Triad

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



42.5154, 54.9122, 30.5486



46.6923, 54.9122, 114.9181



69.9450, 54.9122, 52.4413

Complementary

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



42.5154, 54.9122, 30.5486



37.4542, 30.4446, 63.5799

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.



68.9639, 54.9122, 77.6638



42.5154, 54.9122, 30.5486



54.9174, 54.9122, 118.5460

Square

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



42.5154, 54.9122, 30.5486



40.6121, 54.9122, 94.5824



63.2365, 54.9122, 103.4612



65.7881, 54.9122, 34.7860

Rectangle

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



42.5154, 54.9122, 30.5486



37.5526, 54.9122, 59.3644



63.2365, 54.9122, 103.4612



70.2144, 54.9122, 60.2177

Sweetspot

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



42.5168, 54.9146, 30.5498



85.3131, 95.4647, 86.5669



45.4326, 45.4743, 28.5739



18.0200, 20.3211, 17.9899



0.0000, 0.0000, 0.0000



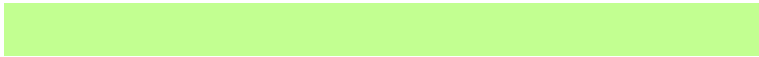
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5168, 54.9146, 30.5498



63.0414, 84.9906, 40.0120



36.7278, 51.8998, 31.6558



12.1428, 13.4571, 12.5695



16.8856, 29.5738, 4.8184



1.0346, 1.7002, 0.2736

Inverse Universe

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



37.4542, 30.4446, 63.5799



53.8936, 40.8085, 99.6441



45.3312, 34.5581, 61.5681



11.7879, 11.7395, 14.8883



11.7381, 5.2315, 37.5836



0.7467, 0.3391, 2.1057

Previews

White Background



This preview shows how the XYZ color 42.5154, 54.9122, 30.5486 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 42.5154, 54.9122, 30.5486 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 42.5154, 54.9122, 30.5486

Background



This preview shows how black text looks on a background with the XYZ color 42.5154, 54.9122, 30.5486.



This preview shows how white text looks on a background with the XYZ color 42.5154, 54.9122,

30.5486.

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

42.5154, 54.9122, 30.5486

Protanopia

50.5628, 54.5858, 28.2932

Deuteranopia

55.6365, 54.5314, 31.6380



Tritanopia

50.6918, 54.7082, 71.5063

Trichromacy



Original Color

42.5154, 54.9122, 30.5486

Protanomaly

47.1892, 54.5224, 29.1558

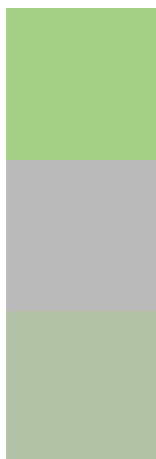
Deuteranomaly

49.9715, 54.2177, 31.1238

Tritanomaly

47.3330, 54.7425, 53.9706

Monochromacy



Original Color

42.5154, 54.9122, 30.5486

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.0806, 51.4039, 44.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5154, 54.9122, 30.5486 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, 208, 133)` looks like.

```
.text, #text, p{  
    color:rgb(166, 208, 133)  
}
```

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, 208, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 208, 133) }
```

Border

The CSS property to change the border of an element to XYZ 42.5154, 54.9122, 30.5486 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, 208, 133) }
```


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

```
.border{ border-color:rgb(166, 208, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 208, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 208, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 208, 133);  
box-shadow:4px 4px 4px 4px rgb(166, 208,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5154, 54.9122, 30.5486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 208, 133) }
```

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

```
.background{ background-color: rgb(166,  
208, 133) }
```

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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