

Converting Colors

XYZ(42.6196, 55.1731, 29.3001)

Have a look what the booklet for
XYZ(42.6196, 55.1731, 29.3001)
contains.

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Color

**XYZ(42.4547, 54.9122,
29.1304)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D081
RGB	167, 208, 129
RGB Percent	65%, 82%, 51%
CMY	0.3451, 0.1843, 0.4941
CMYK	0.20, 0.00, 0.38, 0.18
HSL	91°, 46%, 66%
HSV	91°, 38%, 82%
XYZ	42.4547, 54.9122, 29.1304
YIQ	186.7350, 0.9230, -33.2610

Conversions

Conversions Part 2

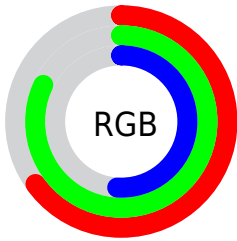
Format	Color
RYB	129, 208, 170
Decimal	10997889
CIELab	78.99, -27.24, 34.90
CIELCh	79, 44.273, 127.964
Yxy	54.9122, 0.3356, 0.4341
Android (android.graphics.Color)	4289187969 (0xFFA7D081)
YUV	186.7350, -28.4634, -17.3076
Hunter-Lab	74.1028, -27.4142, 28.5646

Details

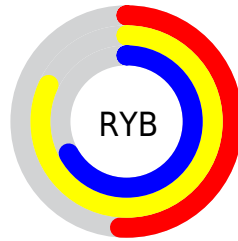
The XYZ color **42.4547, 54.9122, 29.1304** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.8152, 28.8022, 63.3492**, and the grayscale version is **47.2409, 49.7011, 54.1245**.

A 20% lighter version of the original color is **74.7387, 90.6269, 58.3533**, and **19.5764, 26.8432, 11.3572** is the 20% darker color. If you saturate the color by 10%, you get **39.0245, 53.2894, 22.4728**, and if you desaturate by 10%, it is **46.3596, 56.7506, 37.2815**.

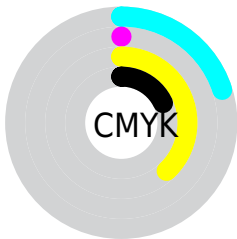
Distribution



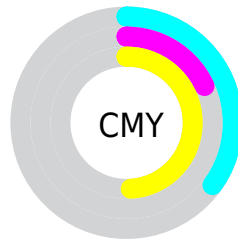
- Red (65%)
- Green (82%)
- Blue (51%)



- Red (51%)
- Yellow (82%)
- Blue (67%)



- Cyan (20%)
- Magenta (0%)
- Yellow (38%)
- Black (18%)



- Cyan (35%)
- Magenta (18%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4547, 54.9122, 29.1304 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 42.4547, 54.9122, 29.1304 by changing the saturation by 10% instead.

■ 42.4547, 54.9122,
29.1304

■ 42.4547, 54.9122,
29.1304

347.3240,
405.5790, 311.9099

■ 29.6502, 39.3314,
18.9331

■ 78.1482, 97.4123,
59.3289

■ 19.7200, 27.0177,
11.4456

■ 101.7678,
125.1004, 80.1671

■ 12.2987, 17.5865,
6.2495

■ 129.7233,
157.5931, 105.3893

■ 7.0211, 10.6535,
2.9261

162.3798,
195.2748, 135.4141

■ 3.5217, 5.8344,
1.0570

200.1028,
238.5298, 170.6600

■ 1.4353, 2.7446,
0.0000

243.2576,

■ 0.2812, 0.9999,

287.7426, 211.5456

0.0000

292.2095,
343.2975, 258.4894

■ 0.0000, 0.0000,
0.0000

■ 42.4547, 54.9122,
29.1304

■ 42.4547, 54.9122,
29.1304

■ 39.0245, 53.2894,
22.4728

■ 46.3596, 56.7506,
37.2815

■ 36.0430, 51.8656,
17.2145

■ 50.7552, 58.8059,
47.0057

■ 33.4877, 50.6333,
13.2559


■ 55.6618, 61.0887,
58.3811


■ 31.3320, 49.5811,
10.4829


■ 61.0973, 63.6065,
71.4796


■ 29.5452, 48.6963,
8.7618

■ 67.0784, 66.3665,
86.3689


 28.0850, 47.9612,
7.8978

 73.6213, 69.3756,
103.1129

 27.8176, 47.8259,
7.7652

 77.4216, 71.3126,
104.2919

 81.2491, 73.2858,
104.4710

 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.



49.8817, 54.9122, 23.4781



42.4547, 54.9122, 29.1304



38.0190, 54.9122, 43.3803

Triad

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



42.4547, 54.9122, 29.1304



46.0943, 54.9122, 116.9392



70.8195, 54.9122, 53.3207

Complementary

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



42.4547, 54.9122, 29.1304



35.8152, 28.8022, 63.3492

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.



69.5118, 54.9122, 79.8902



42.4547, 54.9122, 29.1304



54.5734, 54.9122, 121.8140

Square

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



42.4547, 54.9122, 29.1304



39.9498, 54.9122, 94.8534



63.3157, 54.9122, 106.7445



66.7109, 54.9122, 34.6472

Rectangle

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



42.4547, 54.9122, 29.1304



37.0349, 54.9122, 58.0836



63.3157, 54.9122, 106.7445



71.0067, 54.9122, 61.5296

Sweetspot

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



42.4561, 54.9146, 29.1316



85.7035, 95.6659, 86.5852



44.3174, 43.6777, 26.8645



18.1129, 20.3689, 17.9942



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.



42.4561, 54.9146, 29.1316



62.6043, 84.8313, 37.0055



35.6613, 51.4016, 29.2735



12.1896, 13.4812, 12.5717



17.4470, 29.8632, 4.8446



1.0669, 1.7169, 0.2752

Inverse Universe

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



35.8152, 28.8022, 63.3492



50.5378, 37.3959, 99.1622



45.0886, 33.6014, 62.9409



11.7406, 11.7151, 14.8861



11.0593, 4.8816, 37.5518



0.7098, 0.3201, 2.1039

Previews

White Background



This preview shows how the XYZ color 42.4547, 54.9122, 29.1304 looks on a white background.

Color Contrast Check

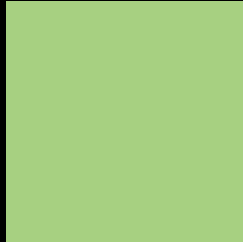
Large Text (above 18pt) WCAG AA × Fail

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 42.4547, 54.9122, 29.1304 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 42.4547, 54.9122, 29.1304

Background



This preview shows how black text looks on a background with the XYZ color 42.4547, 54.9122, 29.1304.



This preview shows how white text looks on a background with the XYZ color 42.4547, 54.9122,

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

42.4547, 54.9122, 29.1304

Protanopia

50.3046, 54.4825, 26.9336

Deuteranopia

55.6777, 54.5855, 30.1558



Tritanopia

50.9221, 54.8269, 71.5171

Trichromacy



Original Color

42.4547, 54.9122, 29.1304

Protanomaly

47.1851, 54.5507, 27.7811

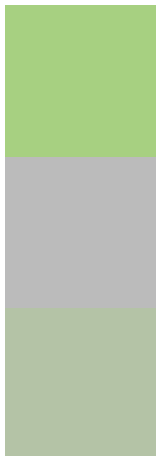
Deuteranomaly

49.9745, 54.2515, 29.6674

Tritanomaly

47.3470, 54.7739, 52.8767

Monochromacy



Original Color

42.4547, 54.9122, 29.1304

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.2204, 51.4867, 43.6309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4547, 54.9122, 29.1304 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(167, 208, 129)` looks like.

```
.text, #text, p{  
    color:rgb(167, 208, 129)  
}
```

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(167, 208, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 208, 129) }
```

Border

The CSS property to change the border of an element to XYZ 42.4547, 54.9122, 29.1304 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(167, 208, 129) }
```


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

```
.border{ border-color:rgb(167, 208, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 208, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 208, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 208, 129);  
box-shadow:4px 4px 4px 4px rgb(167, 208,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4547, 54.9122, 29.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 208, 129) }
```

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

```
.background{ background-color: rgb(167,  
208, 129) }
```

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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