

Converting Colors

XYZ(42.8173, 60.2269, 34.9603)

Have a look what the booklet for
XYZ(42.8173, 60.2269, 34.9603)
contains.

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Color

**XYZ(42.8578, 60.3065,
34.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	92DE8E
RGB	146, 222, 142
RGB Percent	57%, 87%, 56%
CMY	0.4274, 0.1294, 0.4431
CMYK	0.34, 0.00, 0.36, 0.13
HSL	117°, 55%, 71%
HSV	117°, 36%, 87%
XYZ	42.8578, 60.3065, 34.9727
YIQ	190.1560, -19.6160, -40.9920

Conversions

Conversions Part 2

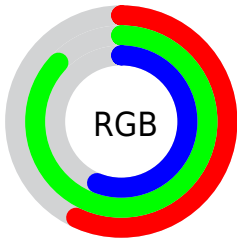
Format	Color
RYB	142, 222, 218
Decimal	9625230
CIELab	82.00, -39.02, 32.01
CIElCh	82, 50.467, 140.641
Yxy	60.3065, 0.3103, 0.4366
Android (android.graphics.Color)	4287815310 (0xFF92DE8E)
YUV	190.1560, -23.7409, -38.7248
Hunter-Lab	77.6573, -37.3889, 27.6590

Details

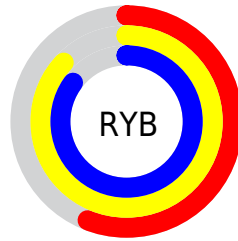
The XYZ color **42.8578, 60.3065, 34.9727** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **51.7740, 39.5273, 74.0111**, and the grayscale version is **49.1753, 51.7363, 56.3408**.

A 20% lighter version of the original color is **70.0809, 88.0621, 65.5286**, and **19.9382, 30.3031, 14.6958** is the 20% darker color. If you saturate the color by 10%, you get **37.9449, 57.9494, 26.8918**, and if you desaturate by 10%, it is **48.7974, 63.1581, 44.8369**.

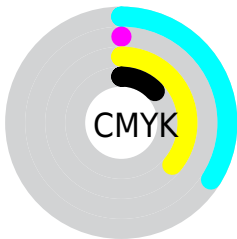
Distribution



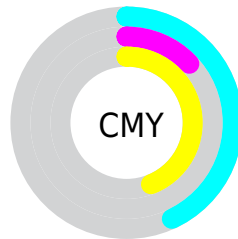
- Red (57%)
- Green (87%)
- Blue (56%)



- Red (56%)
- Yellow (87%)
- Blue (85%)



- Cyan (34%)
- Magenta (0%)
- Yellow (36%)
- Black (13%)





- Cyan (43%)
- Magenta (13%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8578, 60.3065, 34.9727 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 42.8578, 60.3065, 34.9727 by changing the saturation by 10% instead.


 42.8578, 60.3065,
34.9727

 42.8578, 60.3065,
34.9727


348.9581,
425.7266, 339.3484

 29.9676, 43.6657,
23.3585


 78.7533, 105.2742,
68.5946

 19.9619, 30.4078,
14.6506

 102.4893,
134.3698, 91.4393

 12.4755, 20.1483,
8.4307

130.5712,
168.3859, 118.8646

 7.1429, 12.5029,
4.2800

163.3645,
207.7068, 151.2889

 3.5987, 7.0872,
1.7802

201.2345,
252.7170, 189.1310

 1.4777, 3.5167,
0.4148

244.5465,

 0.3106, 1.4071,

303.8007, 232.8092

0.0000

293.6659,
361.3425, 282.7422

■ 0.0000, 0.2219,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8578, 60.3065,
34.9727

■ 42.8578, 60.3065,
34.9727

■ 37.9449, 57.9494,
26.8918

■ 48.7974, 63.1581,
44.8369

■ 33.9962, 56.0515,
20.4841

■ 55.8124, 66.5218,
56.5779

■ 30.9496, 54.5851,
15.6336

■ 63.9540, 70.4240,
70.2872

■ 28.7336, 53.5163,
12.2077

■ 73.2688, 74.8867,
86.0493

■ 27.2662, 52.8060,
10.0518

■ 83.8007, 79.9310,
103.9439

■ 26.4482, 52.4073,
8.9743

■ 85.4125, 80.7249,
105.6875

■ 26.2617, 52.3167,
8.7140

Harmonies

Analogous

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



50.3786, 60.3065, 24.5604



42.8578, 60.3065, 34.9727



39.3452, 60.3065, 56.5526

Triad

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



42.8578, 60.3065, 34.9727



54.0431, 60.3065, 142.5023



78.7735, 60.3065, 47.0310

Complementary

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



42.8578, 60.3065, 34.9727



51.7740, 39.5273, 74.0111

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.



80.0725, 60.3065, 75.7039



42.8578, 60.3065, 34.9727



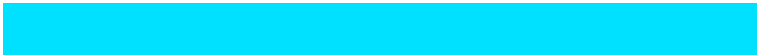
64.8704, 60.3065, 137.5435

Square

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



42.8578, 60.3065, 34.9727



45.2534, 60.3065, 122.4666



74.7156, 60.3065, 110.4888



71.3597, 60.3065, 29.8698

Rectangle

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



42.8578, 60.3065, 34.9727



39.4073, 60.3065, 77.1372



74.7156, 60.3065, 110.4888



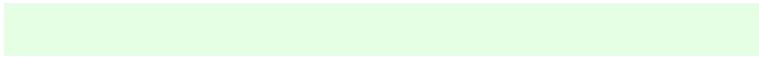
79.9729, 60.3065, 55.3880

Sweetspot

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



42.8593, 60.3091, 34.9740



81.7249, 93.6149, 86.3990



60.0808, 67.6284, 35.4791



17.1700, 19.8829, 17.9501



0.0000, 0.0000, 0.0000



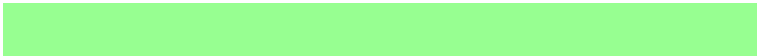
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8593, 60.3091, 34.9740



53.6289, 80.1382, 39.5715



45.3144, 61.2104, 51.5477



13.5918, 15.3697, 14.5571



15.6256, 31.0878, 5.1770



1.1058, 2.1665, 0.3599

Inverse Universe

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



51.7740, 39.5273, 74.0111



67.4815, 47.8133, 100.2800



48.6622, 38.4223, 51.3078



14.2238, 13.8989, 17.3208



23.8009, 11.3651, 41.9876



1.6708, 0.7986, 2.9113

Previews

White Background



This preview shows how the XYZ color 42.8578, 60.3065, 34.9727 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 42.8578, 60.3065, 34.9727 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

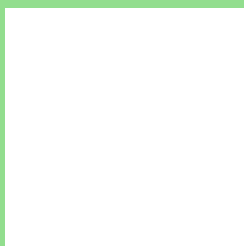
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8578, 60.3065, 34.9727

Background



This preview shows how black text looks on a background with the XYZ color 42.8578, 60.3065, 34.9727.



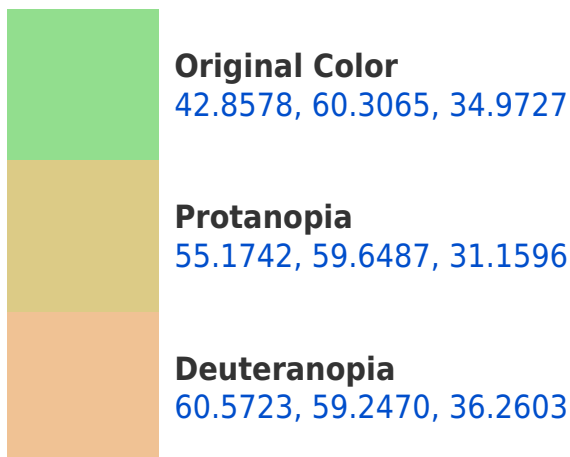
This preview shows how white text looks on a background with the XYZ color 42.8578, 60.3065,

34.9727.

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

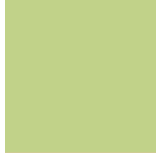
52.1981, 59.8713, 82.2040

Trichromacy



Original Color

42.8578, 60.3065, 34.9727



Protanomaly

49.5543, 59.2368, 32.4890



Deuteranomaly

52.2348, 58.3829, 35.7101



Tritanomaly

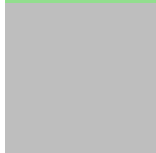
48.0888, 59.7000, 61.8120

Monochromacy



Original Color

42.8578, 60.3065, 34.9727



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.1189, 54.2569, 47.5771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8578, 60.3065, 34.9727 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, 222, 142)` looks like.

```
.text, #text, p{  
    color:rgb(146, 222, 142)  
}
```

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, 222, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 222, 142) }
```

Border

The CSS property to change the border of an element to XYZ 42.8578, 60.3065, 34.9727 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, 222, 142) }
```


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

```
.border{ border-color:rgb(146, 222, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 222, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 222, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 222, 142); box-shadow:4px 4px 4px 4px rgb(146, 222, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8578, 60.3065, 34.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 222, 142) }
```

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

```
.background{ background-color: rgb(146,  
222, 142) }
```

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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