

Converting Colors

XYZ(42.4013, 60.5656, 12.8003)

Have a look what the booklet for
XYZ(42.4013, 60.5656, 12.8003)
contains.

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Color

**XYZ(42.4898, 60.6066,
12.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DE35
RGB	166, 222, 53
RGB Percent	65%, 87%, 21%
CMY	0.3490, 0.1294, 0.7921
CMYK	0.25, 0.00, 0.76, 0.13
HSL	80°, 72%, 54%
HSV	80°, 76%, 87%
XYZ	42.4898, 60.6066, 12.8270
YIQ	185.9900, 20.8730, -64.4310

Conversions

Conversions Part 2

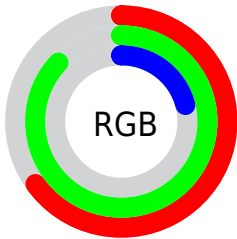
Format	Color
RYB	53, 222, 109
Decimal	10935861
CIELab	82.17, -40.82, 71.21
CIELCh	82, 82.080, 119.823
Yxy	60.6066, 0.3665, 0.5228
Android (android.graphics.Color)	4289125941 (0xFFA6DE35)
YUV	185.9900, -65.5641, -17.5312
Hunter-Lab	77.8502, -38.8146, 44.7262

Details

The XYZ color **42.4898, 60.6066, 12.8270** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle muted chartreuse. A complement of this color would be **20.7672, 11.0731, 70.1535**, and the grayscale version is **47.0159, 49.4644, 53.8667**.

A 20% lighter version of the original color is **69.7360, 88.6974, 28.7741**, and **20.1254, 30.8886, 4.9014** is the 20% darker color. If you saturate the color by 10%, you get **40.5947, 59.6776, 10.6624**, and if you desaturate by 10%, it is **44.7123, 61.6811, 16.2430**.

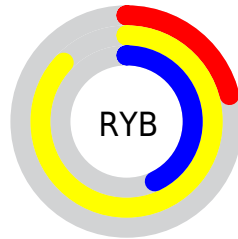
Distribution



Red (65%)

Green (87%)

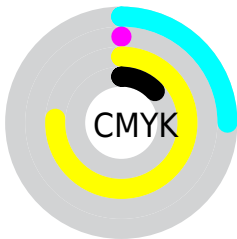
Blue (21%)



Red (21%)

Yellow (87%)

Blue (43%)

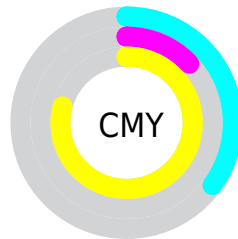


Cyan (25%)

Magenta (0%)

Yellow (76%)

Black (13%)



Cyan (35%)


Magenta (13%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4898, 60.6066, 12.8270 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 42.4898, 60.6066, 12.8270 by changing the saturation by 10% instead.


 42.4898, 60.6066,
12.8270


 42.4898, 60.6066,
12.8270


347.4665,
426.8301, 220.9747


 29.6778, 43.9078,
7.1802


 78.2009, 105.7091,
31.6792

 19.7410, 30.5980,
3.4949


 101.8307,
134.8816, 45.7218


 12.3141, 20.2929,
1.3526


 129.7972,
168.9807, 63.4000

 7.0317, 12.6082,
0.1043

 162.4656,
208.3909, 85.1324

 3.5284, 7.1593,
0.0000

 200.2014,
253.4965, 111.3375

 1.4390, 3.5619,
0.0000

243.3699,

 0.2837, 1.4317,

304.6820, 142.4339

0.0000

292.3365,
362.3317, 178.8401

■ 0.0000, 0.2399,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4898, 60.6066,
12.8270

■ 42.4898, 60.6066,
12.8270

■ 40.5947, 59.6776,
10.6624

■ 44.7123, 61.6811,
16.2430

■ 38.9853, 58.8707,
9.5556

■ 47.2884, 62.9052,
21.0589

■ 38.4139, 58.5816,
9.2828

■ 50.2457, 64.2922,
27.4065

■ 53.6073, 65.8518,
35.4015

■ 57.3946, 67.5924,
45.1483

■ 61.6270, 69.5220,
56.7427

■ 66.3225, 71.6480,
70.2738

■ 71.4984, 73.9774,
85.8246

■ 77.1706, 76.5168,
103.4734

Harmonies

Analogous

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



57.7084, 60.6066, 9.0163



42.4898, 60.6066, 12.8270



33.2132, 60.6066, 28.5388

Triad

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



42.4898, 60.6066, 12.8270



42.3435, 60.6066, 188.6421



98.0505, 60.6066, 66.2875

Complementary

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



42.4898, 60.6066, 12.8270



20.7672, 11.0731, 70.1535

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.



91.7156, 60.6066, 126.9708



42.4898, 60.6066, 12.8270



57.5012, 60.6066, 216.0808

Square

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



42.4898, 60.6066, 12.8270



33.1415, 60.6066, 126.1774



75.9364, 60.6066, 189.2404



91.8570, 60.6066, 28.8337

Rectangle

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



42.4898, 60.6066, 12.8270



30.5083, 60.6066, 50.4388



75.9364, 60.6066, 189.2404



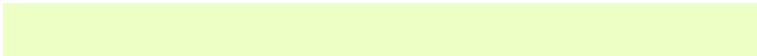
97.3007, 60.6066, 84.4489

Sweetspot

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



42.4912, 60.6093, 12.8283



80.2110, 93.2797, 66.2109



35.9766, 26.2038, 6.5307



16.7357, 19.7678, 13.0129



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.



42.4912, 60.6093, 12.8283



54.2970, 81.0584, 13.5921



30.4207, 54.3867, 12.2634



14.4073, 15.7902, 14.5952



22.9380, 34.8575, 5.5192



1.6834, 2.4643, 0.3869

Inverse Universe

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



20.7672, 11.0731, 70.1535



23.5944, 10.5316, 95.3970



35.9504, 18.9003, 70.8641



13.3778, 13.4628, 17.2812



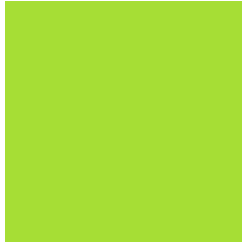
9.5945, 4.0415, 41.3228



0.7575, 0.3278, 2.8686

Previews

White Background



This preview shows how the XYZ color 42.4898, 60.6066, 12.8270 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 42.4898, 60.6066, 12.8270 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 42.4898, 60.6066, 12.8270

Background



This preview shows how black text looks on a background with the XYZ color 42.4898, 60.6066, 12.8270.



This preview shows how white text looks on a background with the XYZ color 42.4898, 60.6066,

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

42.4898, 60.6066, 12.8270

Protanopia

54.4395, 60.0571, 11.5192

Deuteranopia

61.2933, 59.7933, 13.4650



Tritanopia

55.6397, 60.2676, 78.5123

Trichromacy



Original Color

42.4898, 60.6066, 12.8270

Protanomaly

49.3236, 59.9406, 11.9877

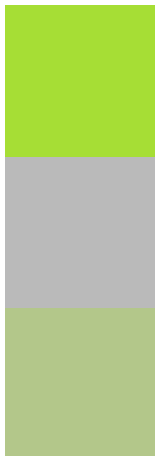
Deuteranomaly

52.8666, 59.2106, 13.0573

Tritanomaly

48.3366, 59.1252, 42.5829

Monochromacy



Original Color

42.4898, 60.6066, 12.8270

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

43.6013, 52.2655, 31.8350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4898, 60.6066, 12.8270 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, 222, 53)` looks like.

```
.text, #text, p{  
    color:rgb(166, 222, 53)  
}
```

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, 222, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 222, 53) }
```

Border

The CSS property to change the border of an element to XYZ 42.4898, 60.6066, 12.8270 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, 222, 53) }
```


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

```
.border{ border-color:rgb(166, 222, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 222, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 222, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 222, 53);  
box-shadow:4px 4px 4px 4px rgb(166, 222,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4898, 60.6066, 12.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 222, 53) }
```

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

```
.background{ background-color: rgb(166,  
222, 53) }
```

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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