

Converting Colors

XYZ(41.6190, 57.7450, 13.9190)

Have a look what the booklet for
XYZ(41.6190, 57.7450, 13.9190)
contains.

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Color

**XYZ(41.6585, 57.8182,
13.9654)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D841
RGB	168, 216, 65
RGB Percent	66%, 85%, 25%
CMY	0.3412, 0.1529, 0.7451
CMYK	0.22, 0.00, 0.70, 0.15
HSL	79°, 66%, 55%
HSV	79°, 70%, 85%
XYZ	41.6585, 57.8182, 13.9654
YIQ	184.4340, 19.8630, -57.1370

Conversions

Conversions Part 2

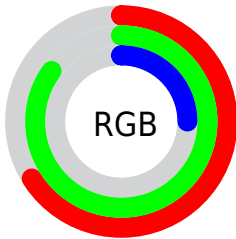
Format	Color
RYB	65, 216, 113
Decimal	11065409
CIELab	80.64, -36.74, 65.75
CIElCh	81, 75.322, 119.193
Yxy	57.8182, 0.3672, 0.5097
Android (android.graphics.Color)	4289255489 (0xFFA8D841)
YUV	184.4340, -58.8810, -14.4126
Hunter-Lab	76.0383, -35.2736, 42.3374

Details

The XYZ color **41.6585, 57.8182, 13.9654** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **21.0972, 12.2507, 66.2217**, and the grayscale version is **46.1099, 48.5112, 52.8287**.

A 20% lighter version of the original color is **70.5752, 89.0692, 31.5615**, and **19.3004, 28.8692, 4.5551** is the 20% darker color. If you saturate the color by 10%, you get **39.7254, 56.8825, 11.2103**, and if you desaturate by 10%, it is **43.9107, 58.8945, 17.9860**.

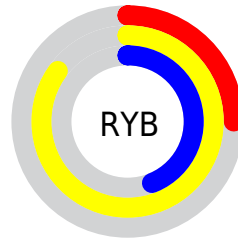
Distribution



Red (66%)

Green (85%)

Blue (25%)



Red (25%)

Yellow (85%)

Blue (44%)

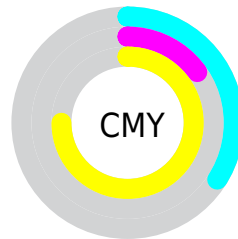


Cyan (22%)

Magenta (0%)

Yellow (70%)

Black (15%)



Cyan (34%)

Magenta (15%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6585, 57.8182, 13.9654 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 41.6585, 57.8182, 13.9654 by changing the saturation by 10% instead.

■ 41.6585, 57.8182,
13.9654

■ 41.6585, 57.8182,
13.9654

344.0811,
416.5082, 228.4364

■ 29.0239, 41.6625,
7.9581

■ 76.9509, 101.6581,
33.7439

■ 19.2433, 28.8371,
3.9808

■ 100.3395,
130.1110, 48.3521

■ 11.9513, 18.9576,
1.6148

■ 128.0434,
163.4319, 66.6645

■ 6.7825, 11.6397,
0.3013

■ 160.4281,
202.0050, 89.0995

■ 3.3715, 6.4988,
0.0000

■ 197.8588,
246.2148, 116.0756

■ 1.3532, 3.1507,
0.0000

240.7010,

■ 0.2225, 1.2109,

296.4457, 148.0115

0.0000

289.3200,
353.0820, 185.3255

■ 0.0000, 0.0706,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6585, 57.8182,
13.9654

■ 41.6585, 57.8182,
13.9654

■ 39.7254, 56.8825,
11.2103

■ 43.9107, 58.8945,
17.9860

■ 38.0771, 56.0675,
9.5644

■ 46.5036, 60.1141,
23.3971

■ 36.6625, 55.3546,
8.7581

■ 49.4609, 61.4886,
30.3127

■ 36.6497, 55.3482,
8.7516

■ 52.8031, 63.0264,
38.8341

■ 56.5487, 64.7351,
49.0537

■ 60.7150, 66.6215,
61.0570

■ 65.3183, 68.6924,
74.9235

■ 70.3736, 70.9540,
90.7283

■ 75.1773, 73.1248,
104.7600

Harmonies

Analogous

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



55.3754, 57.8182, 10.3589



41.6585, 57.8182, 13.9654



33.1202, 57.8182, 28.5702

Triad

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



41.6585, 57.8182, 13.9654



41.0568, 57.8182, 168.4436



90.4777, 57.8182, 64.1644

Complementary

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



41.6585, 57.8182, 13.9654



21.0972, 12.2507, 66.2217

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.



84.7423, 57.8182, 117.5856



41.6585, 57.8182, 13.9654



54.5356, 57.8182, 192.7276

Square

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



41.6585, 57.8182, 13.9654



32.8215, 57.8182, 114.4549



70.8154, 57.8182, 170.7719



85.3040, 57.8182, 29.8180

Rectangle

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



41.6585, 57.8182, 13.9654



30.5648, 57.8182, 48.2642



70.8154, 57.8182, 170.7719



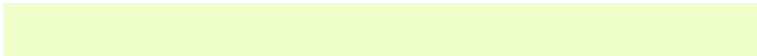
89.7466, 57.8182, 80.3581

Sweetspot

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



41.6598, 57.8208, 13.9666



81.6074, 93.9312, 69.3657



35.1599, 26.7519, 8.3123



17.1337, 19.9532, 13.9243



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.



41.6598, 57.8208, 13.9666



56.6265, 82.2313, 14.9673



29.9941, 51.8069, 13.4207



13.0710, 14.3128, 13.2344



21.8083, 32.8189, 5.1853



1.3996, 2.0229, 0.3167

Inverse Universe

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



21.0972, 12.2507, 66.2217



25.1301, 12.0368, 95.6066



35.1043, 19.4716, 66.8772



12.1105, 12.1984, 15.6537



8.8747, 3.7276, 38.7049



0.6202, 0.2686, 2.3385

Previews

White Background



This preview shows how the XYZ color 41.6585, 57.8182, 13.9654 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 41.6585, 57.8182, 13.9654 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 41.6585, 57.8182, 13.9654

Background



This preview shows how black text looks on a background with the XYZ color 41.6585, 57.8182, 13.9654.



This preview shows how white text looks on a background with the XYZ color 41.6585, 57.8182,

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

41.6585, 57.8182, 13.9654

Protanopia

52.2371, 57.4928, 12.7589

Deuteranopia

58.7504, 57.4746, 14.6538



Tritanopia

54.0251, 57.7421, 74.6276

Trichromacy



Original Color

41.6585, 57.8182, 13.9654

Protanomaly

47.8426, 57.3278, 13.1012

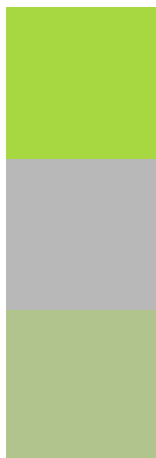
Deuteranomaly

51.0760, 56.5174, 14.1782

Tritanomaly

47.4248, 56.8180, 42.6498

Monochromacy



Original Color

41.6585, 57.8182, 13.9654

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

42.9077, 50.8679, 32.7563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6585, 57.8182, 13.9654 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(168, 216, 65)` looks like.

```
.text, #text, p{  
    color:rgb(168, 216, 65)  
}
```

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(168, 216, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 216, 65) }
```

Border

The CSS property to change the border of an element to XYZ 41.6585, 57.8182, 13.9654 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(168, 216, 65) }
```


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

```
.border{ border-color:rgb(168, 216, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 216, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 216, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 216, 65);  
box-shadow:4px 4px 4px 4px rgb(168, 216,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6585, 57.8182, 13.9654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 216, 65) }
```

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

```
.background{ background-color: rgb(168,  
216, 65) }
```

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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