

Converting Colors

XYZ(42.1269, 58.4134, 11.1341)

Have a look what the booklet for
XYZ(42.1269, 58.4134, 11.1341)
contains.

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Color

**XYZ(42.2264, 58.5565,
11.1748)**

Conversions

Conversions Part 1

Format	Color
Hex	ACD929
RGB	172, 217, 41
RGB Percent	67%, 85%, 16%
CMY	0.3255, 0.1490, 0.8392
CMYK	0.21, 0.00, 0.81, 0.15
HSL	75°, 70%, 51%
HSV	75°, 81%, 85%
XYZ	42.2264, 58.5565, 11.1748
YIQ	183.4810, 29.6760, -64.2760

Conversions

Conversions Part 2

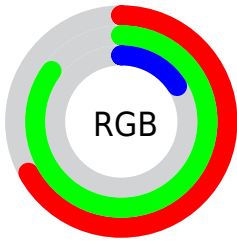
Format	Color
RYB	41, 217, 86
Decimal	11327785
CIELab	81.05, -36.79, 73.68
CIELCh	81, 82.356, 116.530
Yxy	58.5565, 0.3772, 0.5230
Android (android.graphics.Color)	4289517865 (0xFFACD929)
YUV	183.4810, -70.2431, -10.0688
Hunter-Lab	76.5222, -35.4142, 44.9072

Details

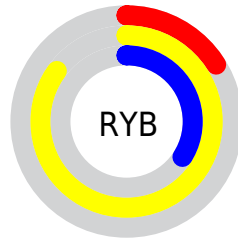
The XYZ color **42.2264, 58.5565, 11.1748** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **17.1574, 8.5756, 66.4001**, and the grayscale version is **45.6389, 48.0157, 52.2890**.

A 20% lighter version of the original color is **71.1632, 89.4882, 26.3542**, and **19.9906, 29.4855, 4.6377** is the 20% darker color. If you saturate the color by 10%, you get **40.7549, 57.8322, 9.6447**, and if you desaturate by 10%, it is **43.9600, 59.3957, 13.8077**.

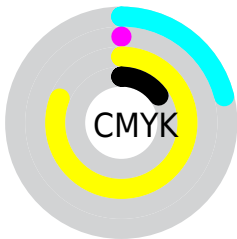
Distribution



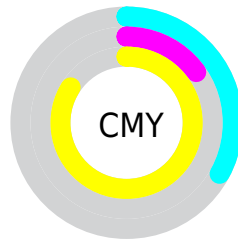
- Red (67%)
- Green (85%)
- Blue (16%)



- Red (16%)
- Yellow (85%)
- Blue (34%)



- Cyan (21%)
- Magenta (0%)
- Yellow (81%)
- Black (15%)



- Cyan (33%)
- Magenta (15%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2264, 58.5565, 11.1748 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 42.2264, 58.5565, 11.1748 by changing the saturation by 10% instead.

■ 42.2264, 58.5565,
11.1748

■ 42.2264, 58.5565,
11.1748

346.3963,
419.2564, 209.6432

■ 29.4705, 42.2562,
6.0689

■ 77.8052, 102.7328,
28.6245

■ 19.5831, 29.3020,
2.8175

■ 101.3588,
131.3776, 41.8054

■ 12.1989, 19.3094,
1.0022

■ 129.2423,
164.9060, 58.5150

■ 6.9524, 11.8940,
0.0000

■ 161.8211,
203.7025, 79.1720

■ 3.4784, 6.6716,
0.0000

■ 199.4605,
248.1514, 104.1947

■ 1.4115, 3.2576,
0.0000

■ 242.5260,

■ 0.2644, 1.2676,

298.6370, 134.0018

0.0000

291.3828,
355.5439, 169.0118

■ 0.0000, 0.1159,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2264, 58.5565,
11.1748

■ 42.2264, 58.5565,
11.1748

■ 40.7549, 57.8322,
9.6447

■ 43.9600, 59.3957,
13.8077

■ 39.6157, 57.2588,
8.9641

■ 45.9823, 60.3542,
17.6979

■ 48.3203, 61.4450,
22.9791

■ 50.9966, 62.6773,
29.7670

■ 54.0315, 64.0590,
38.1652

■ 57.4434, 65.5978,
48.2682

■ 61.2494, 67.3006,
60.1630

■ 65.4655, 69.1737,
73.9310

■ 70.1067, 71.2233,
89.6483

Harmonies

Analogous

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



57.6696, 58.5565, 8.3933



42.2264, 58.5565, 11.1748



32.4916, 58.5565, 24.6558

Triad

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



42.2264, 58.5565, 11.1748



39.4242, 58.5565, 178.9486



95.3392, 58.5565, 69.6274

Complementary

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



42.2264, 58.5565, 11.1748



17.1574, 8.5756, 66.4001

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.



87.8278, 58.5565, 131.0476



42.2264, 58.5565, 11.1748



53.6902, 58.5565, 211.4592

Square

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



42.2264, 58.5565, 11.1748



31.1216, 58.5565, 115.7321



71.6685, 58.5565, 190.5271



90.5522, 58.5565, 30.2740

Rectangle

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



42.2264, 58.5565, 11.1748



29.4179, 58.5565, 44.2467



71.6685, 58.5565, 190.5271



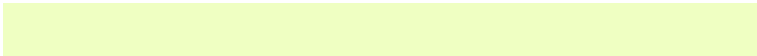
94.1360, 58.5565, 88.2979

Sweetspot

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



42.2277, 58.5591, 11.1760



81.1901, 93.8178, 64.7507



32.2663, 21.4109, 4.5307



16.9993, 19.9101, 12.7375



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.



42.2277, 58.5591, 11.1760



57.4764, 82.7104, 13.1551



28.9616, 51.7202, 10.5552



13.8202, 15.0876, 13.9094



24.0825, 34.7125, 5.4309



1.6382, 2.2890, 0.3555

Inverse Universe

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



17.1574, 8.5756, 66.4001



20.7244, 8.7220, 95.1990



30.5532, 15.4814, 67.0270



12.6492, 12.7773, 16.4517



8.6350, 3.5757, 39.9735



0.6391, 0.2728, 2.5934

Previews

White Background



This preview shows how the XYZ color 42.2264, 58.5565, 11.1748 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 42.2264, 58.5565, 11.1748 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 42.2264, 58.5565, 11.1748

Background



This preview shows how black text looks on a background with the XYZ color 42.2264, 58.5565, 11.1748.



This preview shows how white text looks on a background with the XYZ color 42.2264, 58.5565,

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

42.2264, 58.5565, 11.1748

Protanopia

52.5846, 58.0756, 10.1885

Deuteranopia

59.2479, 57.7982, 11.6479



Tritanopia

55.0106, 58.2502, 74.6737

Trichromacy



Original Color

42.2264, 58.5565, 11.1748

Protanomaly

48.1163, 57.8874, 10.4711

Deuteranomaly

51.6614, 57.2268, 11.3406

Tritanomaly

47.6740, 57.0260, 39.0663

Monochromacy



Original Color

42.2264, 58.5565, 11.1748

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.2022, 50.2526, 28.9482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2264, 58.5565, 11.1748 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(172, 217, 41)` looks like.

```
.text, #text, p{  
    color:rgb(172, 217, 41)  
}
```

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(172, 217, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 217, 41) }
```

Border

The CSS property to change the border of an element to XYZ 42.2264, 58.5565, 11.1748 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(172, 217, 41) }
```


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

```
.border{ border-color:rgb(172, 217, 41) }
```

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

Here you see how a box with a 4 pixel rgb(172, 217, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 217, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 217, 41);  
box-shadow:4px 4px 4px 4px rgb(172, 217,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2264, 58.5565, 11.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 217, 41) }
```

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

```
.background{ background-color: rgb(172,  
217, 41) }
```

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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