

Converting Colors

XYZ(42.5494, 55.3529, 8.9429)

Have a look what the booklet for
XYZ(42.5494, 55.3529, 8.9429)
contains.

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Color

**XYZ(42.6570, 55.4634,
8.9475)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D010
RGB	185, 208, 16
RGB Percent	73%, 82%, 6%
CMY	0.2745, 0.1843, 0.9372
CMYK	0.11, 0.00, 0.92, 0.18
HSL	67°, 86%, 44%
HSV	67°, 92%, 82%
XYZ	42.6570, 55.4634, 8.9475
YIQ	179.2350, 47.9240, -64.5880

Conversions

Conversions Part 2

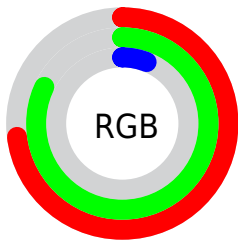
Format	Color
RYB	16, 208, 39
Decimal	12177424
CIELab	79.31, -27.99, 77.37
CIELCh	79, 82.280, 109.891
Yxy	55.4634, 0.3984, 0.5180
Android (android.graphics.Color)	4290367504 (0xFFB9D010)
YUV	179.2350, -80.4749, 5.0559
Hunter-Lab	74.4738, -28.0880, 45.0083

Details

The XYZ color **42.6570, 55.4634, 8.9475** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed chartreuse. A complement of this color would be **12.4090, 5.3573, 60.0578**, and the grayscale version is **43.3738, 45.6327, 49.6940**.

A 20% lighter version of the original color is **75.2194, 91.6537, 23.1777**, and **20.3080, 27.6232, 4.2615** is the 20% darker color. If you saturate the color by 10%, you get **42.1046, 55.1913, 8.4338**, and if you desaturate by 10%, it is **43.5023, 55.8737, 10.2274**.

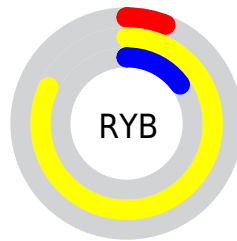
Distribution



Red (73%)

Green (82%)

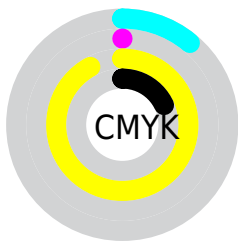
Blue (6%)



Red (6%)

Yellow (82%)

Blue (15%)

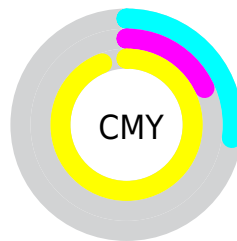


Cyan (11%)

Magenta (0%)

Yellow (92%)

Black (18%)



Cyan (27%)


Magenta (18%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6570, 55.4634, 8.9475 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 42.6570, 55.4634, 8.9475 by changing the saturation by 10% instead.


 42.6570, 55.4634,
8.9475


 42.6570, 55.4634,
8.9475


348.1447,
407.6661, 193.1894


 29.8094, 39.7729,
4.6106


 78.4519, 98.2196,
24.3722

 19.8413, 27.3615,
1.9660


 102.1300,
126.0540, 36.2970


 12.3874, 17.8449,
0.5342


 130.1490,
158.7052, 51.5883

 7.0821, 10.8387,
0.0000

 162.8743,
196.5575, 70.6644

 3.5603, 5.9585,
0.0000

 200.6711,
239.9954, 93.9441

 1.4565, 2.8198,
0.0000

 243.9049,

 0.2960, 1.0384,

289.4032, 121.8458

0.0000

292.9410,
345.1653, 154.7880

■ 0.0000, 0.0000,
0.0000

■ 42.6570, 55.4634,
8.9475

■ 42.6570, 55.4634,
8.9475

■ 42.1046, 55.1913,
8.4338

■ 43.5023, 55.8737,
10.2274

■ 44.5426, 56.3610,
12.4837

■ 45.8067, 56.9392,
15.8633

■ 47.3177, 57.6174,
20.4874

■ 49.0958, 58.4037,
26.4618

■ 51.1590, 59.3052,
33.8809

■ 53.5236, 60.3285,
42.8307

■ 56.2047, 61.4798,
53.3904

■ 59.2164, 62.7645,
65.6339

Harmonies

Analogous

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



58.4738, 55.4634, 7.8726



42.6570, 55.4634, 8.9475



32.0118, 55.4634, 18.7727

Triad

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



42.6570, 55.4634, 8.9475



34.8295, 55.4634, 159.7343



90.4530, 55.4634, 77.7533

Complementary

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



42.6570, 55.4634, 8.9475



12.4090, 5.3573, 60.0578

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.



80.8429, 55.4634, 139.7140



42.6570, 55.4634, 8.9475



47.3497, 55.4634, 200.9564

Square

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



42.6570, 55.4634, 8.9475



28.1882, 55.4634, 96.8115



64.2444, 55.4634, 192.1641



88.4641, 55.4634, 34.4852

Rectangle

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



42.6570, 55.4634, 8.9475



28.2153, 55.4634, 34.2624



64.2444, 55.4634, 192.1641



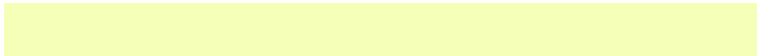
88.4059, 55.4634, 97.2565

Sweetspot

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



42.6583, 55.4659, 8.9487



82.5319, 94.6372, 59.0448



26.8141, 14.8612, 1.9462



17.3296, 20.1106, 11.3867



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.



42.6583, 55.4659, 8.9487



66.6381, 87.4382, 13.3651



26.8298, 47.3061, 8.2079



12.6582, 13.7227, 12.5936



26.2948, 34.4244, 5.2587



1.5105, 1.9455, 0.2959

Inverse Universe

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



12.4090, 5.3573, 60.0578



18.6018, 7.5045, 95.0758



21.4685, 10.0276, 60.4818



11.2934, 11.4846, 14.8652



7.3878, 2.9888, 37.3800



0.4580, 0.1903, 2.0922

Previews

White Background



This preview shows how the XYZ color 42.6570, 55.4634, 8.9475 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 42.6570, 55.4634, 8.9475 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 42.6570, 55.4634, 8.9475

Background



This preview shows how black text looks on a background with the XYZ color 42.6570, 55.4634, 8.9475.



This preview shows how white text looks on a background with the XYZ color 42.6570, 55.4634,

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

42.6570, 55.4634, 8.9475

Protanopia

49.8289, 55.3222, 8.2817

Deuteranopia

56.2665, 55.0319, 9.4904



Tritanopia

54.6660, 55.1609, 68.0875

Trichromacy



Original Color

42.6570, 55.4634, 8.9475

Protanomaly

46.9595, 55.2073, 8.4977

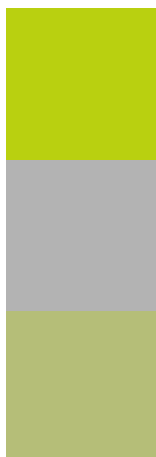
Deuteranomaly

50.2666, 54.5246, 9.1033

Tritanomaly

47.3600, 53.8543, 32.3249

Monochromacy



Original Color

42.6570, 55.4634, 8.9475

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.8597, 48.0067, 24.8820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6570, 55.4634, 8.9475 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(185, 208, 16)` looks like.

```
.text, #text, p{  
    color:rgb(185, 208, 16)  
}
```

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(185, 208, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 208, 16) }
```

Border

The CSS property to change the border of an element to XYZ 42.6570, 55.4634, 8.9475 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(185, 208, 16) }
```


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

```
.border{ border-color:rgb(185, 208, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 208, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 208, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 208, 16);  
box-shadow:4px 4px 4px 4px rgb(185, 208,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6570, 55.4634, 8.9475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 208, 16) }
```

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

```
.background{ background-color: rgb(185,  
208, 16) }
```

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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