

Converting Colors

XYZ(42.0203, 53.7400, 20.5122)

Have a look what the booklet for
XYZ(42.0203, 53.7400, 20.5122)
contains.

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Color

**XYZ(42.0848, 53.8323,
20.4845)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CD65
RGB	176, 205, 101
RGB Percent	69%, 80%, 40%
CMY	0.3098, 0.1961, 0.6039
CMYK	0.14, 0.00, 0.51, 0.20
HSL	77°, 51%, 60%
HSV	77°, 51%, 80%
XYZ	42.0848, 53.8323, 20.4845
YIQ	184.4730, 16.1000, -38.4920

Conversions

Conversions Part 2

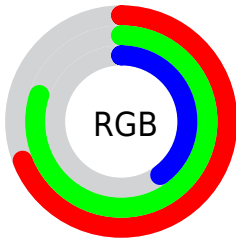
Format	Color
RYB	101, 205, 130
Decimal	11586917
CIELab	78.36, -25.65, 48.10
CIElCh	78, 54.507, 118.068
Yxy	53.8323, 0.3615, 0.4625
Android (android.graphics.Color)	4289776997 (0xFFB0CD65)
YUV	184.4730, -41.1522, -7.4308
Hunter-Lab	73.3705, -26.0120, 34.8060

Details

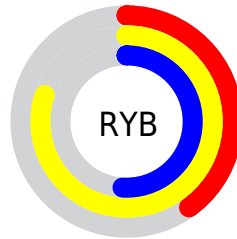
The XYZ color **42.0848, 53.8323, 20.4845** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.8811, 18.4624, 60.0129**, and the grayscale version is **46.0375, 48.4350, 52.7457**.

A 20% lighter version of the original color is **75.1970, 91.1767, 44.2074**, and **19.5061, 26.4199, 6.9772** is the 20% darker color. If you saturate the color by 10%, you get **39.9378, 52.8292, 15.7792**, and if you desaturate by 10%, it is **44.5394, 54.9685, 26.5140**.

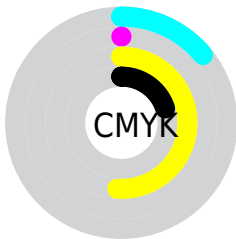
Distribution



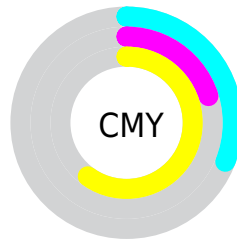
- Red (69%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (51%)
- Black (20%)





- Cyan (31%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0848, 53.8323, 20.4845 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 42.0848, 53.8323, 20.4845 by changing the saturation by 10% instead.


 42.0848, 53.8323,
20.4845


 42.0848, 53.8323,
20.4845


345.8200,
401.4702, 267.2165

 29.3591, 38.4676,
12.5602


 77.5923, 95.8280,
45.0976


 19.4983, 26.3458,
6.9992


 101.1048,
123.2277, 62.6234

 12.1370, 17.0825,
3.3832


 128.9437,
155.4080, 84.1869

 6.9099, 10.2933,
1.2935

 161.4742,
192.7531, 110.2064

 3.4517, 5.5939,
0.0564

199.0617,
235.6475, 141.1006

 1.3969, 2.5997,
0.0000

242.0716,

 0.2540, 0.9265,

284.4755, 177.2880

0.0000

290.8693,
339.6216, 219.1871

■ 0.0000, 0.0000,
0.0000

■ 42.0848, 53.8323,
20.4845

■ 42.0848, 53.8323,
20.4845

■ 39.9378, 52.8292,
15.7792

■ 44.5394, 54.9685,
26.5140

■ 38.0750, 51.9440,
12.2947

■ 47.3153, 56.2378,
33.9539

■ 36.4750, 51.1702,
9.9177

■ 50.4301, 57.6490,
42.8874

■ 35.1116, 50.4970,
8.5125

■ 53.8988, 59.2083,
53.3900

■ 34.0148, 49.9452,
7.8476

■ 57.7353, 60.9213,
65.5322

■ 61.9528, 62.7934,
79.3802

■ 66.5638, 64.8296,
94.9966

■ 69.9266, 66.3733,
103.7335

■ 71.7050, 67.2901,
103.8168

Harmonies

Analogous

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



51.8626, 53.8323, 17.2504



42.0848, 53.8323, 20.4845



35.6188, 53.8323, 32.6506

Triad

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



42.0848, 53.8323, 20.4845



41.0392, 53.8323, 124.1732



74.6007, 53.8323, 60.6227

Complementary

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



42.0848, 53.8323, 20.4845



24.8811, 18.4624, 60.0129

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.



70.6840, 53.8323, 95.6203



42.0848, 53.8323, 20.4845



50.4757, 53.8323, 139.4062

Square

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



42.0848, 53.8323, 20.4845



35.0769, 53.8323, 90.9322



61.4677, 53.8323, 127.4780



71.5477, 53.8323, 35.0352

Rectangle

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



42.0848, 53.8323, 20.4845



33.5638, 53.8323, 47.2586



61.4677, 53.8323, 127.4780



74.0457, 53.8323, 71.6571

Sweetspot

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



42.0861, 53.8347, 20.4856



85.6756, 95.8094, 79.4528



35.3429, 29.5507, 16.1538



18.0800, 20.3911, 16.2266



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.



42.0861, 53.8347, 20.4856



65.0754, 86.3700, 25.1587



32.6785, 48.9849, 20.0454



11.8370, 12.9334, 11.9519



21.2708, 31.1408, 4.8897



1.1687, 1.6433, 0.2556

Inverse Universe

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



24.8811, 18.4624, 60.0129



33.8530, 22.0537, 97.0803



34.6686, 23.5080, 60.4709



10.8906, 10.9929, 14.1182



7.9969, 3.3301, 36.1776



0.4875, 0.2105, 1.8699

Previews

White Background



This preview shows how the XYZ color 42.0848, 53.8323, 20.4845 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 42.0848, 53.8323, 20.4845 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 42.0848, 53.8323, 20.4845

Background



This preview shows how black text looks on a background with the XYZ color 42.0848, 53.8323, 20.4845.



This preview shows how white text looks on a background with the XYZ color 42.0848, 53.8323, 20.4845.

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

42.0848, 53.8323, 20.4845

Protanopia

49.1810, 53.7428, 19.0905

Deuteranopia

54.3341, 53.1545, 21.0318



Tritanopia

51.5649, 53.5622, 67.9424

Trichromacy



Original Color

42.0848, 53.8323, 20.4845

Protanomaly

46.2181, 53.5494, 19.4554

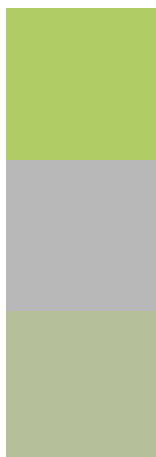
Deuteranomaly

49.0799, 52.9949, 20.7390

Tritanomaly

46.9891, 53.0251, 45.7885

Monochromacy



Original Color

42.0848, 53.8323, 20.4845

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.7384, 49.8561, 37.8898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0848, 53.8323, 20.4845 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(176, 205, 101)` looks like.

```
.text, #text, p{  
    color:rgb(176, 205, 101)  
}
```

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(176, 205, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 205, 101) }
```

Border

The CSS property to change the border of an element to XYZ 42.0848, 53.8323, 20.4845 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(176, 205, 101) }
```


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

```
.border{ border-color:rgb(176, 205, 101) }
```

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

Here you see how a box with a 4 pixel rgb(176, 205, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 205, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 205, 101);  
box-shadow:4px 4px 4px 4px rgb(176, 205,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0848, 53.8323, 20.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 205, 101) }
```

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

```
.background{ background-color: rgb(176,  
205, 101) }
```

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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