

Converting Colors

XYZ(42.7850, 54.1342, 20.5480)

Have a look what the booklet for
XYZ(42.7850, 54.1342, 20.5480)
contains.

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Color

**XYZ(42.7707, 54.1859,
20.5166)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CD65
RGB	179, 205, 101
RGB Percent	70%, 80%, 40%
CMY	0.2980, 0.1961, 0.6039
CMYK	0.13, 0.00, 0.51, 0.20
HSL	75°, 51%, 60%
HSV	75°, 51%, 80%
XYZ	42.7707, 54.1859, 20.5166
YIQ	185.3700, 17.8880, -37.8560

Conversions

Conversions Part 2

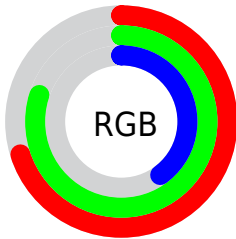
Format	Color
RYB	101, 205, 127
Decimal	11783525
CIELab	78.57, -24.48, 48.39
CIELCh	79, 54.229, 116.830
Yxy	54.1859, 0.3641, 0.4613
Android (android.graphics.Color)	4289973605 (0xFFB3CD65)
YUV	185.3700, -41.5944, -5.5865
Hunter-Lab	73.6111, -25.1044, 35.0027

Details

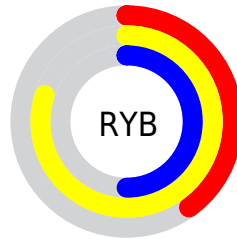
The XYZ color **42.7707, 54.1859, 20.5166** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.4276, 18.2286, 59.9917**, and the grayscale version is **46.5390, 48.9627, 53.3204**.

A 20% lighter version of the original color is **76.1848, 91.6860, 44.2536**, and **19.9332, 26.6401, 6.9972** is the 20% darker color. If you saturate the color by 10%, you get **40.7266, 53.2358, 15.8161**, and if you desaturate by 10%, it is **45.1120, 55.2638, 26.5408**.

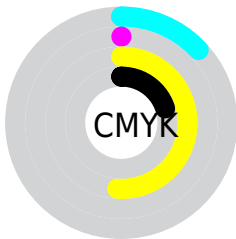
Distribution



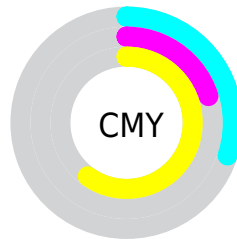
- Red (70%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (50%)



- Cyan (13%)
- Magenta (0%)
- Yellow (51%)
- Black (20%)



- Cyan (30%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7707, 54.1859, 20.5166 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 42.7707, 54.1859, 20.5166 by changing the saturation by 10% instead.

■ 42.7707, 54.1859,
20.5166

■ 42.7707, 54.1859,
20.5166

348.6054,
402.8185, 267.3944

■ 29.8990, 38.7503,
12.5833

■ 78.6226, 96.3471,
45.1519

■ 19.9096, 26.5655,
7.0149

■ 102.3335,
123.8416, 62.6910

■ 12.4372, 17.2472,
3.3928

■ 130.3881,
156.1244, 84.2692

■ 7.1165, 10.4109,
1.2986

■ 163.1519,
193.5801, 110.3049

■ 3.5820, 5.6722,
0.0606

200.9902,
236.5929, 141.2168

■ 1.4685, 2.6468,
0.0000

244.2683,

■ 0.3043, 0.9503,

285.5473, 177.4233

0.0000

293.3516,
340.8277, 219.3429

■ 0.0000, 0.0000,
0.0000

■ 42.7707, 54.1859,
20.5166

■ 42.7707, 54.1859,
20.5166

■ 40.7266, 53.2358,
15.8161

■ 45.1120, 55.2638,
26.5408

■ 38.9563, 52.3984,
12.3359

■ 47.7641, 56.4692,
33.9749

■ 37.4390, 51.6672,
9.9628

■ 50.7443, 57.8110,
42.9021

■ 36.1484, 51.0315,
8.5610

■ 54.0674, 59.2952,
53.3979

■ 35.1104, 50.5100,
7.8989

■ 57.7472, 60.9275,
65.5328

■ 61.7967, 62.7130,
79.3730

■ 66.2283, 64.6566,
94.9810

■ 69.4001, 66.1019,
103.7089

■ 70.9756, 66.9141,
103.7826

Harmonies

Analogous

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



52.6472, 54.1859, 17.5799



42.7707, 54.1859, 20.5166



36.1414, 54.1859, 32.2964

Triad

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



42.7707, 54.1859, 20.5166



41.0546, 54.1859, 123.2653



74.8724, 54.1859, 62.3151

Complementary

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



42.7707, 54.1859, 20.5166



24.4276, 18.2286, 59.9917

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.



70.6946, 54.1859, 97.4240



42.7707, 54.1859, 20.5166



50.3737, 54.1859, 139.4566

Square

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



42.7707, 54.1859, 20.5166



35.2512, 54.1859, 89.7566



61.3475, 54.1859, 128.6629



72.1080, 54.1859, 36.2186

Rectangle

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



42.7707, 54.1859, 20.5166



33.9684, 54.1859, 46.5772



61.3475, 54.1859, 128.6629



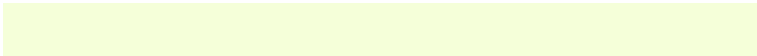
74.2209, 54.1859, 73.4541

Sweetspot

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



42.7720, 54.1883, 20.5177



86.0603, 96.0077, 79.4708



35.1171, 29.0991, 16.0785



18.1732, 20.4391, 16.2310



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.



42.7720, 54.1883, 20.5177



66.3839, 87.0446, 25.2200



32.9345, 49.1169, 20.0574



11.8693, 12.9500, 11.9535



21.9472, 31.4895, 4.9213



1.1990, 1.6589, 0.2570

Inverse Universe

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



24.4276, 18.2286, 59.9917



33.0928, 21.6619, 97.0447



34.2654, 23.3002, 60.4521



10.8602, 10.9772, 14.1168



7.7923, 3.2246, 36.1680



0.4736, 0.2033, 1.8692

Previews

White Background



This preview shows how the XYZ color 42.7707, 54.1859, 20.5166 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 42.7707, 54.1859, 20.5166 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 42.7707, 54.1859, 20.5166

Background



This preview shows how black text looks on a background with the XYZ color 42.7707, 54.1859, 20.5166.



This preview shows how white text looks on a background with the XYZ color 42.7707, 54.1859,

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

42.7707, 54.1859, 20.5166

Protanopia

49.1810, 53.7428, 19.0905

Deuteranopia

54.8755, 53.7431, 21.1169



Tritanopia

52.1934, 53.9005, 67.3275

Trichromacy



Original Color

42.7707, 54.1859, 20.5166

Protanomaly

46.4861, 53.6875, 19.4679

Deuteranomaly

49.6672, 53.2977, 20.7664

Tritanomaly

47.6212, 53.3619, 45.3261

Monochromacy



Original Color

42.7707, 54.1859, 20.5166

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.2108, 50.0996, 37.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7707, 54.1859, 20.5166 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(179, 205, 101)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 205, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 205, 101) }
```

Border

The CSS property to change the border of an element to XYZ 42.7707, 54.1859, 20.5166 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(179, 205, 101) }
```


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

```
.border{ border-color:rgb(179, 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(179, 205, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 205, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 205, 101);  
box-shadow:4px 4px 4px 4px rgb(179, 205,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7707, 54.1859, 20.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 205, 101) }
```

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

```
.background{ background-color: rgb(179,  
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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