

Converting Colors

XYZ(42.9722, 50.3306, 13.4111)

Have a look what the booklet for
XYZ(42.9722, 50.3306, 13.4111)
contains.

XYZ(42.9722, 50.3306, 13.4111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.9722, 50.3306,
13.4111)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C147
RGB	196, 193, 71
RGB Percent	77%, 76%, 28%
CMY	0.2314, 0.2431, 0.7216
CMYK	0.00, 0.02, 0.64, 0.23
HSL	59°, 51%, 52%
HSV	59°, 64%, 77%
XYZ	42.9722, 50.3306, 13.4111
YIQ	179.9890, 40.9500, -37.3060

Conversions

Conversions Part 2

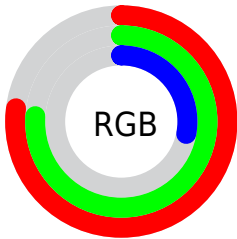
Format	Color
RYB	74, 196, 71
Decimal	12894535
CIELab	76.27, -13.97, 59.58
CIELCh	76, 61.195, 103.195
Yxy	50.3306, 0.4027, 0.4716
Android (android.graphics.Color)	4291084615 (0xFFC4C147)
YUV	179.9890, -53.7316, 14.0416
Hunter-Lab	70.9441, -16.0312, 38.4528

Details

The XYZ color **42.9722, 50.3306, 13.4111** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **15.0112, 10.2225, 53.4061**, and the grayscale version is **43.6417, 45.9145, 50.0008**.

A 20% lighter version of the original color is **78.8174, 90.4920, 32.7146**, and **20.0529, 24.2561, 3.7686** is the 20% darker color. If you saturate the color by 10%, you get **42.3388, 49.9133, 10.5816**, and if you desaturate by 10%, it is **43.8112, 50.8344, 17.3110**.

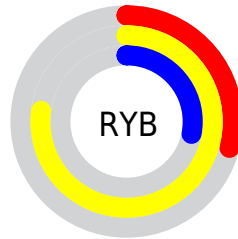
Distribution



Red (77%)

Green (76%)

Blue (28%)



Red (29%)

Yellow (77%)

Blue (28%)

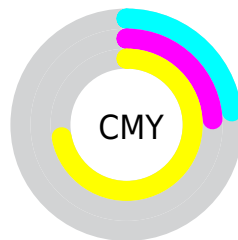


Cyan (0%)

Magenta (2%)

Yellow (64%)

Black (23%)



Cyan (23%)

Magenta (24%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9722, 50.3306, 13.4111 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 42.9722, 50.3306, 13.4111 by changing the saturation by 10% instead.

■ 42.9722, 50.3306,
13.4111

■ 42.9722, 50.3306,
13.4111

349.4209,
387.9574, 224.8354

■ 30.0577, 35.6762,
7.5782

■ 78.9249, 90.6645,
32.7423

■ 20.0307, 24.1842,
3.7424

■ 102.6938,
117.1128, 47.0778

■ 12.5258, 15.4703,
1.4851

■ 130.8116,
148.2611, 65.0844

■ 7.1775, 9.1501,
0.2068

■ 163.6436,
184.4939, 87.1809

■ 3.6207, 4.8392,
0.0000

■ 201.5552,
226.1955, 113.7857

■ 1.4899, 2.1532,
0.0000

244.9117,

■ 0.3189, 0.6943,

273.7503, 145.3173

0.0000

294.0785,
327.5428, 182.1944

■ 0.0000, 0.0000,
0.0000

■ 42.9722, 50.3306,
13.4111

■ 42.9722, 50.3306,
13.4111

■ 42.3388, 49.9133,
10.5816

■ 43.8112, 50.8344,
17.3110

■ 41.8870, 49.5673,
8.7123

■ 44.8697, 51.4247,
22.3711

■ 41.5936, 49.2852,
7.6752

■ 46.1649, 52.1101,
28.6751

■ 41.4621, 49.1303,
7.2978

■ 47.7108, 52.8964,
36.2983

■ 49.5208, 53.7888,
45.3100

■ 51.6069, 54.7923,
55.7746

■ 53.9808, 55.9113,
67.7525

■ 56.6531, 57.1503,
81.3007

■ 59.6342, 58.5133,
96.4733

Harmonies

Analogous

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



54.5100, 50.3306, 13.8186



42.9722, 50.3306, 13.4111



34.2592, 50.3306, 20.4181

Triad

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



42.9722, 50.3306, 13.4111



33.4779, 50.3306, 110.4855



72.2427, 50.3306, 75.1937

Complementary

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



42.9722, 50.3306, 13.4111



15.0112, 10.2225, 53.4061

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.



64.5999, 50.3306, 115.0423



42.9722, 50.3306, 13.4111



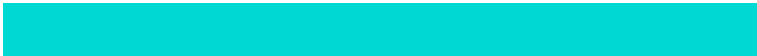
41.7334, 50.3306, 140.3694

Square

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



42.9722, 50.3306, 13.4111



29.3989, 50.3306, 70.5417



53.0573, 50.3306, 142.3085



72.7176, 50.3306, 41.5963

Rectangle

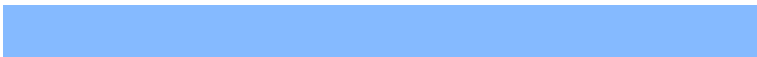
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.9722, 50.3306, 13.4111



30.7117, 50.3306, 30.9441



53.0573, 50.3306, 142.3085



70.3771, 50.3306, 88.5527

Sweetspot

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



42.9734, 50.3329, 13.4121



87.8384, 96.5248, 72.7450



26.2941, 16.7529, 8.5350



18.6032, 20.5622, 14.5870



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.



42.9734, 50.3329, 13.4121



76.2983, 90.1280, 17.4653



31.3036, 45.3095, 13.0576



10.8921, 11.7156, 10.7491



26.6510, 31.5877, 4.6924



1.1582, 1.3781, 0.2050

Inverse Universe

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



15.0112, 10.2225, 53.4061



21.6301, 11.7334, 95.7325



21.3214, 13.1858, 53.6455



9.5472, 9.7858, 12.6705



6.4440, 2.6444, 33.7274



0.2852, 0.1279, 1.4595

Previews

White Background



This preview shows how the XYZ color 42.9722, 50.3306, 13.4111 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 42.9722, 50.3306, 13.4111 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 42.9722, 50.3306, 13.4111

Background



This preview shows how black text looks on a background with the XYZ color 42.9722, 50.3306, 13.4111.



This preview shows how white text looks on a background with the XYZ color 42.9722, 50.3306,

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

42.9722, 50.3306, 13.4111

Protanopia

45.6671, 50.1103, 13.0597

Deuteranopia

51.3563, 50.2544, 13.8308



Tritanopia

52.1063, 50.2533, 58.5833

Trichromacy



Original Color

42.9722, 50.3306, 13.4111

Protanomaly

44.6958, 50.2482, 13.1375

Deuteranomaly

47.8917, 49.9910, 13.6036

Tritanomaly

47.4826, 49.5964, 35.9246

Monochromacy



Original Color

42.9722, 50.3306, 13.4111

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.3323, 47.0305, 31.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9722, 50.3306, 13.4111 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(196, 193, 71)` looks like.

```
.text, #text, p{  
    color:rgb(196, 193, 71)  
}
```

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(196, 193, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 193, 71) }
```

Border

The CSS property to change the border of an element to XYZ 42.9722, 50.3306, 13.4111 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(196, 193, 71) }
```


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

```
.border{ border-color:rgb(196, 193, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 193, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 193, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 193, 71);  
box-shadow:4px 4px 4px 4px rgb(196, 193,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9722, 50.3306, 13.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 193, 71) }
```

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

```
.background{ background-color: rgb(196,  
193, 71) }
```

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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