

Converting Colors

XYZ(41.1994, 51.4677, 11.9899)

Have a look what the booklet for
XYZ(41.1994, 51.4677, 11.9899)
contains.

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Color

**XYZ(41.2466, 51.4874,
12.0391)**

Conversions

Conversions Part 1

Format	Color
Hex	B9C73C
RGB	185, 199, 60
RGB Percent	73%, 78%, 24%
CMY	0.2745, 0.2196, 0.7647
CMYK	0.07, 0.00, 0.70, 0.22
HSL	66°, 55%, 51%
HSV	66°, 70%, 78%
XYZ	41.2466, 51.4874, 12.0391
YIQ	178.9680, 36.2750, -46.1970

Conversions

Conversions Part 2

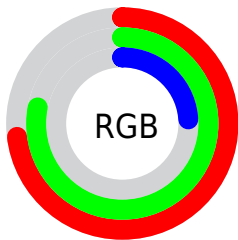
Format	Color
RYB	60, 199, 74
Decimal	12175164
CIELab	76.97, -22.20, 64.31
CIElCh	77, 68.030, 109.046
Yxy	51.4874, 0.3937, 0.4914
Android (android.graphics.Color)	4290365244 (0xFFB9C73C)
YUV	178.9680, -58.6512, 5.2901
Hunter-Lab	71.7547, -22.9640, 40.2806

Details

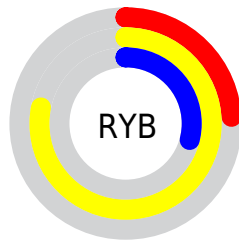
The XYZ color **41.2466, 51.4874, 12.0391** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.7504, 8.8123, 54.9595**, and the grayscale version is **43.1212, 45.3669, 49.4045**.

A 20% lighter version of the original color is **76.2206, 92.0141, 30.2662**, and **19.0275, 24.8400, 3.7917** is the 20% darker color. If you saturate the color by 10%, you get **40.3365, 51.0697, 9.7483**, and if you desaturate by 10%, it is **42.3637, 51.9924, 15.3738**.

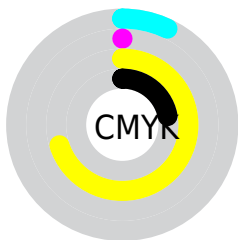
Distribution



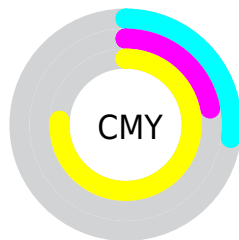
- Red (73%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (29%)



- Cyan (7%)
- Magenta (0%)
- Yellow (70%)
- Black (22%)



- Cyan (27%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2466, 51.4874, 12.0391 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 41.2466, 51.4874, 12.0391 by changing the saturation by 10% instead.

■ 41.2466, 51.4874,
12.0391

■ 41.2466, 51.4874,
12.0391

342.3952,
392.4545, 215.6511

■ 28.7003, 36.5967,
6.6474

■ 76.3304, 92.3748,
30.2318

■ 18.9974, 24.8953,
3.1675

■ 99.5987, 119.1403,
43.8698

■ 11.7724, 15.9991,
1.1808

■ 127.1718,
150.6328, 61.0938

■ 6.6600, 9.5235,
0.0000

■ 159.4149,
187.2367, 82.3222

■ 3.2948, 5.0842,
0.0000

■ 196.6934,
229.3364, 107.9736

■ 1.3115, 2.2968,
0.0000

239.3728,

■ 0.1918, 0.7720,

277.3164, 138.4665

0.0000

287.8182,
331.5609, 174.2195

■ 0.0000, 0.0000,
0.0000

■ 41.2466, 51.4874,
12.0391

■ 41.2466, 51.4874,
12.0391

■ 40.3365, 51.0697,
9.7483

■ 42.3637, 51.9924,
15.3738

■ 39.6062, 50.7229,
8.3744

■ 43.7042, 52.5857,
19.8540

■ 39.0129, 50.4317,
7.6868

■ 45.2866, 53.2765,
25.5726

■ 39.0042, 50.4274,
7.6777

■ 47.1268, 54.0712,
32.6122

■ 49.2390, 54.9756,
41.0484

■ 51.6366, 55.9949,
50.9511

■ 54.3320, 57.1341,
62.3852

■ 57.3368, 58.3979,
75.4122

■ 60.6620, 59.7907,
90.0898

Harmonies

Analogous

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



53.8274, 51.4874, 11.1282



41.2466, 51.4874, 12.0391



32.4250, 51.4874, 21.0847

Triad

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



41.2466, 51.4874, 12.0391



34.3520, 51.4874, 129.0900



77.7100, 51.4874, 70.7470

Complementary

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



41.2466, 51.4874, 12.0391



14.7504, 8.8123, 54.9595

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.



70.2757, 51.4874, 117.0647



41.2466, 51.4874, 12.0391



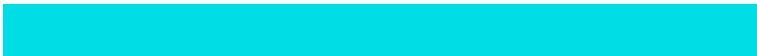
44.3526, 51.4874, 159.3889

Square

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



41.2466, 51.4874, 12.0391



28.9573, 51.4874, 82.7275



57.5289, 51.4874, 154.2141



76.4776, 51.4874, 35.8460

Rectangle

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



41.2466, 51.4874, 12.0391



29.1578, 51.4874, 34.2138



57.5289, 51.4874, 154.2141



76.0960, 51.4874, 85.6562

Sweetspot

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



41.2478, 51.4898, 12.0402



85.6383, 96.0092, 69.5543



26.8128, 17.3540, 6.2121



18.1021, 20.4525, 13.9697



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.



41.2478, 51.4898, 12.0402



69.8973, 89.0726, 15.5883



28.3904, 44.8615, 11.4385



11.4145, 12.3606, 11.3470



25.1216, 32.4459, 4.9386



1.2207, 1.5524, 0.2353

Inverse Universe

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



14.7504, 8.8123, 54.9595



20.8468, 9.8286, 95.4061



23.3235, 13.2319, 55.3607



10.1542, 10.3378, 13.3777



6.8502, 2.7656, 34.9171



0.3589, 0.1488, 1.6549

Previews

White Background



This preview shows how the XYZ color 41.2466, 51.4874, 12.0391 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 41.2466, 51.4874, 12.0391 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 41.2466, 51.4874, 12.0391

Background



This preview shows how black text looks on a background with the XYZ color 41.2466, 51.4874, 12.0391.



This preview shows how white text looks on a background with the XYZ color 41.2466, 51.4874,

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

41.2466, 51.4874, 12.0391

Protanopia

46.6177, 51.2785, 11.4437

Deuteranopia

52.2594, 51.0523, 12.4099



Tritanopia

51.2729, 51.2937, 61.8419

Trichromacy



Original Color

41.2466, 51.4874, 12.0391

Protanomaly

44.4880, 51.1522, 11.6663

Deuteranomaly

47.6092, 50.8162, 12.1497

Tritanomaly

46.0479, 50.7690, 35.8062

Monochromacy



Original Color

41.2466, 51.4874, 12.0391

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.0589, 46.7191, 30.1462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2466, 51.4874, 12.0391 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, 199, 60)` looks like.

```
.text, #text, p{  
    color:rgb(185, 199, 60)  
}
```

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, 199, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 199, 60) }
```

Border

The CSS property to change the border of an element to XYZ 41.2466, 51.4874, 12.0391 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, 199, 60) }
```


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

```
.border{ border-color:rgb(185, 199, 60) }
```

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

Here you see how a box with a 4 pixel rgb(185, 199, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 199, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 199, 60);  
box-shadow:4px 4px 4px 4px rgb(185, 199,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2466, 51.4874, 12.0391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 199, 60) }
```

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

```
.background{ background-color: rgb(185,  
199, 60) }
```

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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