

Converting Colors

XYZ(41.6281, 49.4441, 12.0054)

Have a look what the booklet for
XYZ(41.6281, 49.4441, 12.0054)
contains.

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Color

**XYZ(41.4851, 49.2646,
12.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	C0C03F
RGB	192, 192, 63
RGB Percent	75%, 75%, 25%
CMY	0.2471, 0.2470, 0.7529
CMYK	0.00, 0.00, 0.67, 0.25
HSL	60°, 51%, 50%
HSV	60°, 67%, 75%
XYZ	41.4851, 49.2646, 12.0252
YIQ	177.2940, 41.4090, -40.1190

Conversions

Conversions Part 2

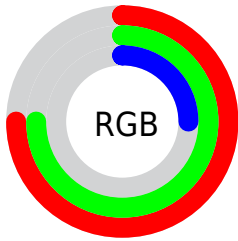
Format	Color
RYB	63, 192, 63
Decimal	12632127
CIELab	75.62, -15.62, 62.00
CIELCh	76, 63.939, 104.140
Yxy	49.2646, 0.4037, 0.4793
Android (android.graphics.Color)	4290822207 (0xFFC0C03F)
YUV	177.2940, -56.3469, 12.8972
Hunter-Lab	70.1887, -17.3278, 38.9742

Details

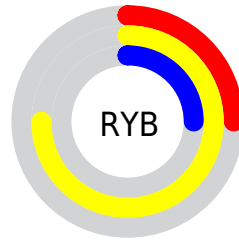
The XYZ color **41.4851, 49.2646, 12.0252** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.3433, 8.4186, 50.7938**, and the grayscale version is **42.2178, 44.4164, 48.3694**.

A 20% lighter version of the original color is **76.6211, 88.9520, 30.2706**, and **19.2243, 23.6161, 3.5451** is the 20% darker color. If you saturate the color by 10%, you get **41.0397, 49.0882, 9.6756**, and if you desaturate by 10%, it is **42.1199, 49.5204, 15.3621**.

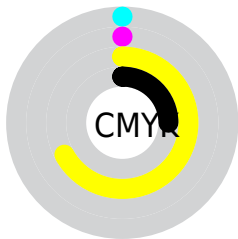
Distribution



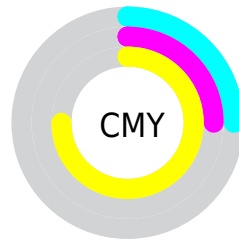
- Red (75%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (25%)



- Cyan (0%)
- Magenta (0%)
- Yellow (67%)
- Black (25%)



- Cyan (25%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4851, 49.2646, 12.0252 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 41.4851, 49.2646, 12.0252 by changing the saturation by 10% instead.

■ 41.4851, 49.2646,
12.0252

■ 41.4851, 49.2646,
12.0252

343.3721,
383.7831, 215.5559

■ 28.8877, 34.8294,
6.6381

■ 76.6898, 89.0843,
30.2061

■ 19.1397, 23.5315,
3.1618

■ 100.0278,
115.2376, 43.8369

■ 11.8759, 14.9865,
1.1778

■ 127.6767,
146.0658, 61.0528

■ 6.7308, 8.8099,
0.0000

■ 160.0018,
181.9532, 82.2722

■ 3.3392, 4.6174,
0.0000

■ 197.3686,
223.2842, 107.9136

■ 1.3356, 2.0246,
0.0000

240.1423,

■ 0.2096, 0.6217,

270.4433, 138.3957

0.0000

288.6884,
323.8148, 174.1369

■ 0.0000, 0.0000,
0.0000

■ 41.4851, 49.2646,
12.0252

■ 41.4851, 49.2646,
12.0252

■ 41.0397, 49.0882,
9.6756

■ 42.1199, 49.5204,
15.3621

■ 40.7597, 48.9762,
8.2025

■ 42.9582, 49.8557,
19.7754

■ 40.6179, 48.9195,
7.4568

■ 44.0166, 50.2791,
25.3477

■ 40.5882, 48.9076,
7.3009

■ 45.3091, 50.7961,
32.1529

■ 46.8486, 51.4119,
40.2585

■ 48.6469, 52.1313,
49.7273

■ 50.7153, 52.9587,
60.6180

■ 53.0641, 53.8982,
72.9858

■ 55.7034, 54.9540,
86.8830

Harmonies

Analogous

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



53.3194, 49.2646, 12.2129



41.4851, 49.2646, 12.0252



32.7038, 49.2646, 19.1590

Triad

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



41.4851, 49.2646, 12.0252



32.3252, 49.2646, 112.9937



72.2878, 49.2646, 73.4843

Complementary

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



41.4851, 49.2646, 12.0252



13.3433, 8.4186, 50.7938

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.



64.5173, 49.2646, 115.2811



41.4851, 49.2646, 12.0252



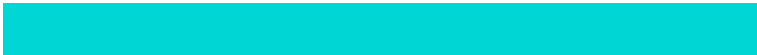
40.8797, 49.2646, 143.8642

Square

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



41.4851, 49.2646, 12.0252



28.0507, 49.2646, 71.1790



52.6035, 49.2646, 144.8434



72.5241, 49.2646, 39.2496

Rectangle

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



41.4851, 49.2646, 12.0252



29.1948, 49.2646, 29.9500



52.6035, 49.2646, 144.8434



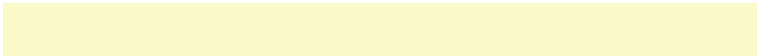
70.4184, 49.2646, 87.3641

Sweetspot

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



41.4862, 49.2669, 12.0262



83.9583, 92.7806, 68.0779



24.4146, 15.1216, 6.3353



17.8411, 19.8362, 13.7059



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4862, 49.2669, 12.0262



74.0628, 88.8222, 15.9813



28.5759, 42.6114, 11.4220



10.9134, 11.7584, 10.7563



27.3099, 32.9076, 4.9124



1.1800, 1.4218, 0.2123

Inverse Universe

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



13.3433, 8.4186, 50.7938



19.4705, 9.5836, 91.1839



20.1206, 11.9124, 51.1110



9.5284, 9.7480, 12.6642



6.4023, 2.5609, 33.7135



0.2766, 0.1107, 1.4567

Previews

White Background



This preview shows how the XYZ color 41.4851, 49.2646, 12.0252 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 41.4851, 49.2646, 12.0252 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 41.4851, 49.2646, 12.0252

Background



This preview shows how black text looks on a background with the XYZ color 41.4851, 49.2646, 12.0252.



This preview shows how white text looks on a background with the XYZ color 41.4851, 49.2646,

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

41.4851, 49.2646, 12.0252

Protanopia

44.6522, 49.2983, 11.7195

Deuteranopia

50.0442, 49.0174, 12.2925



Tritanopia

50.7595, 48.9726, 57.8163

Trichromacy



Original Color

41.4851, 49.2646, 12.0252

Protanomaly

43.4242, 49.2995, 11.7845

Deuteranomaly

46.3266, 48.6010, 12.0935

Tritanomaly

46.1482, 48.6357, 34.1495

Monochromacy



Original Color

41.4851, 49.2646, 12.0252

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.4633, 45.1786, 29.8802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4851, 49.2646, 12.0252 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(192, 192, 63)` looks like.

```
.text, #text, p{  
    color:rgb(192, 192, 63)  
}
```

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(192, 192, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 192, 63) }
```

Border

The CSS property to change the border of an element to XYZ 41.4851, 49.2646, 12.0252 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(192, 192, 63) }
```


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

```
.border{ border-color:rgb(192, 192, 63) }
```

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

Here you see how a box with a 4 pixel rgb(192, 192, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 192, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 192, 63);  
box-shadow:4px 4px 4px 4px rgb(192, 192,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4851, 49.2646, 12.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 192, 63) }
```

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

```
.background{ background-color: rgb(192,  
192, 63) }
```

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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