

Converting Colors

XYZ(41.9748, 49.4738, 12.4029)

Have a look what the booklet for
XYZ(41.9748, 49.4738, 12.4029)
contains.

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Color

**XYZ(42.0519, 49.5503,
12.3488)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C041
RGB	194, 192, 65
RGB Percent	76%, 75%, 25%
CMY	0.2392, 0.2470, 0.7451
CMYK	0.00, 0.01, 0.66, 0.24
HSL	59°, 51%, 51%
HSV	59°, 66%, 76%
XYZ	42.0519, 49.5503, 12.3488
YIQ	178.1200, 41.9590, -39.0730

Conversions

Conversions Part 2

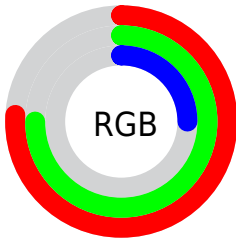
Format	Color
RYB	67, 194, 65
Decimal	12763201
CIELab	75.79, -14.66, 61.45
CIELCh	76, 63.178, 103.419
Yxy	49.5503, 0.4045, 0.4767
Android (android.graphics.Color)	4290953281 (0xFFC2C041)
YUV	178.1200, -55.7682, 13.9268
Hunter-Lab	70.3920, -16.5507, 38.8732

Details

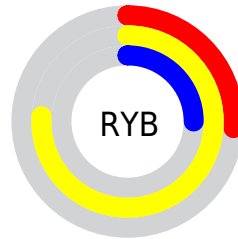
The XYZ color **42.0519, 49.5503, 12.3488** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.9248, 9.0330, 52.0482**, and the grayscale version is **42.6522, 44.8734, 48.8671**.

A 20% lighter version of the original color is **77.4656, 89.3735, 30.9372**, and **19.5491, 23.7836, 3.5603** is the 20% darker color. If you saturate the color by 10%, you get **41.5184, 49.2335, 9.8588**, and if you desaturate by 10%, it is **42.7808, 49.9492, 15.8571**.

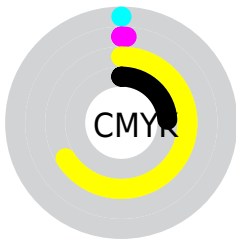
Distribution



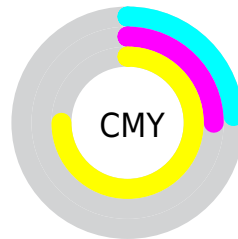
- Red (76%)
- Green (75%)
- Blue (25%)



- Red (26%)
- Yellow (76%)
- Blue (25%)



- Cyan (0%)
- Magenta (1%)
- Yellow (66%)
- Black (24%)



- Cyan (24%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0519, 49.5503, 12.3488 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 42.0519, 49.5503, 12.3488 by changing the saturation by 10% instead.

■ 42.0519, 49.5503,
12.3488

■ 42.0519, 49.5503,
12.3488

345.6860,
384.9047, 217.7602

■ 29.3332, 35.0562,
6.8563

■ 77.5428, 89.5082,
30.8026

■ 19.4786, 23.7062,
3.2953

■ 101.0458,
115.7408, 44.6010

■ 12.1227, 15.1158,
1.2473

■ 128.8742,
146.6551, 62.0052

■ 6.9001, 8.9007,
0.0180

■ 161.3935,
182.6354, 83.4335

■ 3.4454, 4.6765,
0.0000

■ 198.9690,
224.0661, 109.3046

■ 1.3935, 2.0587,
0.0000

241.9660,

■ 0.2516, 0.6413,

271.3316, 140.0371

0.0000

290.7499,
324.8164, 176.0494

■ 0.0000, 0.0000,
0.0000

■ 42.0519, 49.5503,
12.3488

■ 42.0519, 49.5503,
12.3488

■ 41.5184, 49.2335,
9.8588

■ 42.7808, 49.9492,
15.8571

■ 41.1561, 48.9835,
8.2749

■ 43.7195, 50.4303,
20.4743

■ 40.9391, 48.7919,
7.4555

■ 44.8849, 51.0024,
26.2846

■ 40.8789, 48.7311,
7.2515

■ 46.2912, 51.6710,
33.3632

■ 47.9516, 52.4415,
41.7791

■ 49.8783, 53.3187,
51.5962

■ 52.0826, 54.3072,
62.8746

■ 54.5751, 55.4112,
75.6706

■ 57.3662, 56.6348,
90.0376

Harmonies

Analogous

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



53.8320, 49.5503, 12.6972



42.0519, 49.5503, 12.3488



33.2290, 49.5503, 19.3137

Triad

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



42.0519, 49.5503, 12.3488



32.5363, 49.5503, 111.6618



72.1967, 49.5503, 74.5702

Complementary

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



42.0519, 49.5503, 12.3488



13.9248, 9.0330, 52.0482

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.



64.3670, 49.5503, 115.8056



42.0519, 49.5503, 12.3488



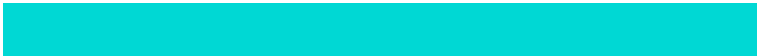
40.9469, 49.5503, 142.5918

Square

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



42.0519, 49.5503, 12.3488



28.3833, 49.5503, 70.3789



52.5283, 49.5503, 144.3627



72.6258, 49.5503, 40.3032

Rectangle

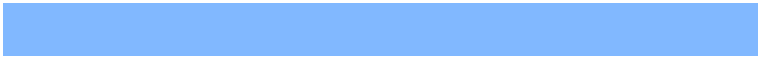
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0519, 49.5503, 12.3488



29.6639, 49.5503, 29.8973



52.5283, 49.5503, 144.3627



70.2906, 49.5503, 88.3349

Sweetspot

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



42.0531, 49.5526, 12.3498



85.6707, 94.4554, 69.5687



25.1562, 15.6574, 7.0307



18.5729, 20.5974, 14.2816



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.



42.0531, 49.5526, 12.3498



74.8716, 88.9685, 16.2998



29.7072, 43.8425, 11.8984



10.8997, 11.7308, 10.7517



26.8828, 32.0514, 4.7697



1.1659, 1.3935, 0.2075

Inverse Universe

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



13.9248, 9.0330, 52.0482



20.2830, 10.3498, 93.3985



20.4329, 12.2152, 52.3194



9.5405, 9.7724, 12.6682



6.4291, 2.6148, 33.7225



0.2822, 0.1218, 1.4585

Previews

White Background



This preview shows how the XYZ color 42.0519, 49.5503, 12.3488 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 42.0519, 49.5503, 12.3488 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 42.0519, 49.5503, 12.3488

Background



This preview shows how black text looks on a background with the XYZ color 42.0519, 49.5503, 12.3488.



This preview shows how white text looks on a background with the XYZ color 42.0519, 49.5503,

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

42.0519, 49.5503, 12.3488

Protanopia

44.9902, 49.4661, 12.0272

Deuteranopia

50.4319, 49.2101, 12.6348



Tritanopia

51.5125, 49.6594, 57.9092

Trichromacy



Original Color

42.0519, 49.5503, 12.3488

Protanomaly

44.0248, 49.6027, 12.1044

Deuteranomaly

46.9848, 48.9333, 12.4376

Tritanomaly

46.7641, 48.9441, 34.5862

Monochromacy



Original Color

42.0519, 49.5503, 12.3488

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.2160, 45.8635, 30.3471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0519, 49.5503, 12.3488 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(194, 192, 65)` looks like.

```
.text, #text, p{  
    color:rgb(194, 192, 65)  
}
```

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(194, 192, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 192, 65) }
```

Border

The CSS property to change the border of an element to XYZ 42.0519, 49.5503, 12.3488 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(194, 192, 65) }
```


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

```
.border{ border-color:rgb(194, 192, 65) }
```

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

Here you see how a box with a 4 pixel rgb(194, 192, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 192, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 192, 65);  
box-shadow:4px 4px 4px 4px rgb(194, 192,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0519, 49.5503, 12.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 192, 65) }
```

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

```
.background{ background-color: rgb(194,  
192, 65) }
```

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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