

Converting Colors

XYZ(42.6001, 53.2123, 12.7282)

Have a look what the booklet for
XYZ(42.6001, 53.2123, 12.7282)
contains.

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Color

**XYZ(42.5112, 53.1647,
12.7239)**

Conversions

Conversions Part 1

Format	Color
Hex	BBCA3F
RGB	187, 202, 63
RGB Percent	73%, 79%, 25%
CMY	0.2667, 0.2078, 0.7529
CMYK	0.07, 0.00, 0.69, 0.21
HSL	66°, 57%, 52%
HSV	66°, 69%, 79%
XYZ	42.5112, 53.1647, 12.7239
YIQ	181.6690, 35.6790, -46.4090

Conversions

Conversions Part 2

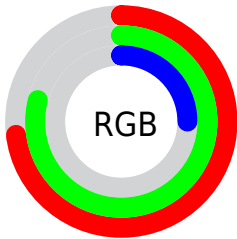
Format	Color
RYB	63, 202, 78
Decimal	12307007
CIELab	77.97, -22.68, 64.24
CIELCh	78, 68.125, 109.442
Yxy	53.1647, 0.3922, 0.4905
Android (android.graphics.Color)	4290497087 (0xFFBBCA3F)
YUV	181.6690, -58.5038, 4.6753
Hunter-Lab	72.9141, -23.5287, 40.6935

Details

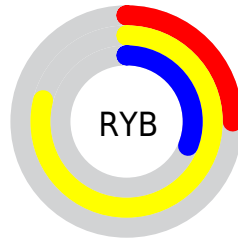
The XYZ color **42.5112, 53.1647, 12.7239** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **15.5819, 9.4402, 56.8812**, and the grayscale version is **44.5791, 46.9007, 51.0749**.

A 20% lighter version of the original color is **77.0958, 92.4447, 31.2330**, and **19.7958, 25.9256, 3.9608** is the 20% darker color. If you saturate the color by 10%, you get **41.5180, 52.7082, 10.2522**, and if you desaturate by 10%, it is **43.7220, 53.7131, 16.2886**.

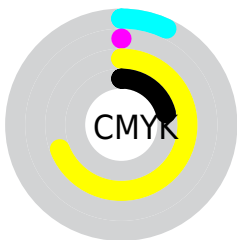
Distribution



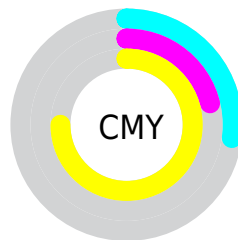
- Red (73%)
- Green (79%)
- Blue (25%)



- Red (25%)
- Yellow (79%)
- Blue (31%)



- Cyan (7%)
- Magenta (0%)
- Yellow (69%)
- Black (21%)



- Cyan (27%)
- Magenta (21%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5112, 53.1647, 12.7239 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 42.5112, 53.1647, 12.7239 by changing the saturation by 10% instead.

■ 42.5112, 53.1647,
12.7239

■ 42.5112, 53.1647,
12.7239

347.5534,
398.9167, 220.2858

■ 29.6946, 37.9343,
7.1102

■ 78.2330, 94.8467,
31.4907

■ 19.7538, 25.9317,
3.4516

■ 101.8690,
122.0670, 45.4810

■ 12.3235, 16.7725,
1.3296

■ 129.8422,
154.0528, 63.1005

■ 7.0381, 10.0724,
0.0859

■ 162.5179,
191.1883, 84.7678

■ 3.5325, 5.4470,
0.0000

■ 200.2616,
233.8581, 110.9014

■ 1.4412, 2.5119,
0.0000

243.4384,

■ 0.2853, 0.8826,

282.4465, 141.9200

0.0000

292.4139,
337.3379, 178.2419

■ 0.0000, 0.0000,
0.0000

■ 42.5112, 53.1647,
12.7239

■ 42.5112, 53.1647,
12.7239

■ 41.5180, 52.7082,
10.2522

■ 43.7220, 53.7131,
16.2886

■ 40.7148, 52.3267,
8.7441

■ 45.1671, 54.3541,
21.0499

■ 40.0639, 52.0070,
7.9958

■ 46.8657, 55.0976,
27.1034

■ 39.9902, 51.9705,
7.9236

■ 48.8338, 55.9498,
34.5339

■ 51.0864, 56.9167,
43.4191

■ 53.6371, 58.0038,
53.8308

■ 56.4987, 59.2163,
65.8361

■ 59.6832, 60.5588,
79.4983

■ 63.2019, 62.0361,
94.8770

Harmonies

Analogous

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



55.3488, 53.1647, 11.6872



42.5112, 53.1647, 12.7239



33.5304, 53.1647, 22.2059

Triad

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



42.5112, 53.1647, 12.7239



35.7000, 53.1647, 132.9733



79.9690, 53.1647, 72.3245

Complementary

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



42.5112, 53.1647, 12.7239



15.5819, 9.4402, 56.8812

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.



72.4830, 53.1647, 119.5304



42.5112, 53.1647, 12.7239



46.0021, 53.1647, 163.4317

Square

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



42.5112, 53.1647, 12.7239



30.1003, 53.1647, 85.7521



59.5019, 53.1647, 157.6537



78.5889, 53.1647, 36.8255

Rectangle

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



42.5112, 53.1647, 12.7239



30.2208, 53.1647, 35.8453



59.5019, 53.1647, 157.6537



78.3610, 53.1647, 87.5015

Sweetspot

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



42.5124, 53.1671, 12.7250



85.5007, 95.9383, 69.5479



27.9031, 18.2107, 6.7477



18.0689, 20.4353, 13.9681



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.



42.5124, 53.1671, 12.7250



69.5303, 88.8781, 15.8099



29.5727, 46.4965, 12.1194



12.0299, 13.0328, 11.9610



25.7776, 33.4641, 5.1006



1.3648, 1.7444, 0.2648

Inverse Universe

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



15.5819, 9.4402, 56.8812



21.1868, 10.1385, 95.4480



24.3653, 13.9683, 57.2923



10.7123, 10.9010, 14.1099



7.1075, 2.8716, 36.1359



0.4056, 0.1682, 1.8660

Previews

White Background



This preview shows how the XYZ color 42.5112, 53.1647, 12.7239 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 42.5112, 53.1647, 12.7239 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 42.5112, 53.1647, 12.7239

Background



This preview shows how black text looks on a background with the XYZ color 42.5112, 53.1647, 12.7239.



This preview shows how white text looks on a background with the XYZ color 42.5112, 53.1647,

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

42.5112, 53.1647, 12.7239

Protanopia

48.2312, 53.0758, 12.1175

Deuteranopia

53.9742, 52.8344, 13.1477



Tritanopia

53.1841, 53.1723, 64.5869

Trichromacy



Original Color

42.5112, 53.1647, 12.7239

Protanomaly

45.7863, 52.8068, 12.3370

Deuteranomaly

49.2454, 52.6043, 12.8683

Tritanomaly

47.8065, 52.6192, 37.7738

Monochromacy



Original Color

42.5112, 53.1647, 12.7239

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.6250, 48.4496, 31.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5112, 53.1647, 12.7239 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(187, 202, 63)` looks like.

```
.text, #text, p{  
    color:rgb(187, 202, 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(187, 202, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 202, 63) }
```

Border

The CSS property to change the border of an element to XYZ 42.5112, 53.1647, 12.7239 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(187, 202, 63) }
```


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

```
.border{ border-color:rgb(187, 202, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 202, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 202, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 202, 63);  
box-shadow:4px 4px 4px 4px rgb(187, 202,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5112, 53.1647, 12.7239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 202, 63) }
```

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

```
.background{ background-color: rgb(187,  
202, 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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