

Converting Colors

XYZ(41.5387, 53.8808, 12.3756)

Have a look what the booklet for
XYZ(41.5387, 53.8808, 12.3756)
contains.

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Color

**XYZ(41.4431, 53.6817,
12.3150)**

Conversions

Conversions Part 1

Format	Color
Hex	B4CD3B
RGB	180, 205, 59
RGB Percent	71%, 80%, 23%
CMY	0.2941, 0.1961, 0.7686
CMYK	0.12, 0.00, 0.71, 0.20
HSL	70°, 59%, 52%
HSV	70°, 71%, 80%
XYZ	41.4431, 53.6817, 12.3150
YIQ	180.8810, 31.9660, -50.7060

Conversions

Conversions Part 2

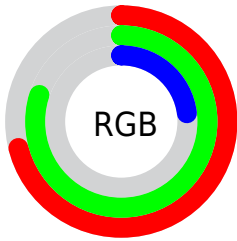
Format	Color
RYB	59, 205, 84
Decimal	11849019
CIELab	78.28, -27.21, 65.82
CIELCh	78, 71.227, 112.462
Yxy	53.6817, 0.3857, 0.4996
Android (android.graphics.Color)	4290039099 (0xFFB4CD3B)
YUV	180.8810, -60.0873, -0.7726
Hunter-Lab	73.2678, -27.2521, 41.3219

Details

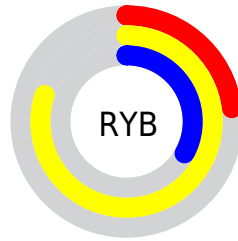
The XYZ color **41.4431, 53.6817, 12.3150** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **16.2415, 9.4218, 58.7234**, and the grayscale version is **44.1605, 46.4602, 50.5952**.

A 20% lighter version of the original color is **74.4511, 91.1085, 29.8814**, and **19.2350, 26.3442, 4.0711** is the 20% darker color. If you saturate the color by 10%, you get **40.2057, 53.0954, 10.0061**, and if you desaturate by 10%, it is **42.9124, 54.3670, 15.7262**.

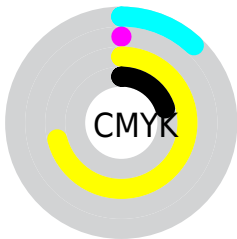
Distribution



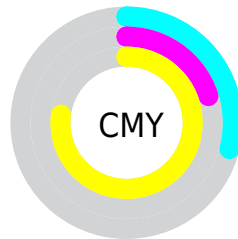
- Red (71%)
- Green (80%)
- Blue (23%)



- Red (23%)
- Yellow (80%)
- Blue (33%)



- Cyan (12%)
- Magenta (0%)
- Yellow (71%)
- Black (20%)



- Cyan (29%)
- Magenta (20%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4431, 53.6817, 12.3150 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 41.4431, 53.6817, 12.3150 by changing the saturation by 10% instead.

41.4431, 53.6817,
12.3150

41.4431, 53.6817,
12.3150

343.2002,
400.8951, 217.5311

28.8547, 38.3472,
6.8334

76.6265, 95.6067,
30.7405

19.1146, 26.2523,
3.2813

99.9523, 122.9661,
44.5215

11.8576, 17.0125,
1.2400

127.5878,
155.1026, 61.9060

6.7183, 10.2434,
0.0118

159.8985,
192.4005, 83.3127

3.3313, 5.5606,
0.0000

197.2498,
235.2443, 109.1599

1.3313, 2.5798,
0.0000

240.0069,

0.2065, 0.9165,

284.0184, 139.8664

0.0000

288.5352,
339.1072, 175.8506

■ 0.0000, 0.0000,
0.0000

■ 41.4431, 53.6817,
12.3150

■ 41.4431, 53.6817,
12.3150

■ 40.2057, 53.0954,
10.0061

■ 42.9124, 54.3670,
15.7262

■ 39.1703, 52.5904,
8.6589

■ 44.6319, 55.1529,
20.3514

■ 38.3871, 52.1993,
8.0523

■ 46.6221, 56.0494,
26.2924

■ 48.9003, 57.0636,
33.6392

■ 51.4821, 58.2017,
42.4742

■ 54.3822, 59.4696,
52.8730

■ 57.6141, 60.8727,
64.9066

■ 61.1905, 62.4161,
78.6411

■ 65.1235, 64.1047,
94.1394

Harmonies

Analogous

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



54.6240, 53.6817, 10.5751



41.4431, 53.6817, 12.3150



32.5680, 53.6817, 23.0206

Triad

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



41.4431, 53.6817, 12.3150



36.3594, 53.6817, 143.0028



82.5104, 53.6817, 69.1208

Complementary

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



41.4431, 53.6817, 12.3150



16.2415, 9.4218, 58.7234

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.



75.3915, 53.6817, 118.8792



41.4431, 53.6817, 12.3150



47.5835, 53.6817, 172.5081

Square

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



41.4431, 53.6817, 12.3150



30.0279, 53.6817, 92.9976



61.9756, 53.6817, 162.0967



80.0503, 53.6817, 33.7333

Rectangle

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



41.4431, 53.6817, 12.3150



29.4776, 53.6817, 38.2187



61.9756, 53.6817, 162.0967



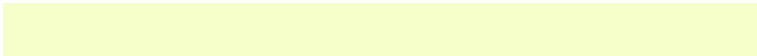
81.1195, 53.6817, 84.7967

Sweetspot

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



41.4443, 53.6841, 12.3161



84.3015, 95.3201, 69.4917



29.0870, 19.5341, 6.3758



17.7800, 20.2864, 13.9546



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.



41.4443, 53.6841, 12.3161



64.9905, 86.5480, 15.1350



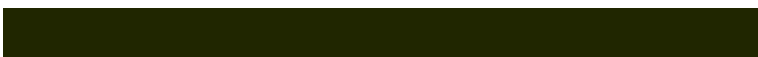
28.7666, 47.1485, 11.7228



11.9580, 12.9957, 11.9576



23.9667, 32.5306, 5.0159



1.2875, 1.7045, 0.2612

Inverse Universe

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



16.2415, 9.4218, 58.7234



21.6821, 10.1332, 95.4209



26.3602, 14.6382, 59.1970



10.7779, 10.9348, 14.1129



7.3496, 2.9964, 36.1473



0.4359, 0.1838, 1.8674

Previews

White Background



This preview shows how the XYZ color 41.4431, 53.6817, 12.3150 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 41.4431, 53.6817, 12.3150 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 41.4431, 53.6817, 12.3150

Background



This preview shows how black text looks on a background with the XYZ color 41.4431, 53.6817, 12.3150.



This preview shows how white text looks on a background with the XYZ color 41.4431, 53.6817,

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

41.4431, 53.6817, 12.3150

Protanopia

48.6209, 53.6208, 11.5286

Deuteranopia

54.4292, 53.3870, 12.7462



Tritanopia

52.2771, 53.3199, 65.9290

Trichromacy



Original Color

41.4431, 53.6817, 12.3150

Protanomaly

45.8344, 53.5209, 11.7857

Deuteranomaly

48.9885, 53.1295, 12.5235

Tritanomaly

46.7249, 52.7269, 37.8516

Monochromacy



Original Color

41.4431, 53.6817, 12.3150

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

41.9849, 48.4568, 30.8072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4431, 53.6817, 12.3150 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(180, 205, 59)` looks like.

```
.text, #text, p{  
    color:rgb(180, 205, 59)  
}
```

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(180, 205, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 205, 59) }
```

Border

The CSS property to change the border of an element to XYZ 41.4431, 53.6817, 12.3150 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(180, 205, 59) }
```


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

```
.border{ border-color:rgb(180, 205, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 205, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 205, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 205, 59);  
box-shadow:4px 4px 4px 4px rgb(180, 205,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4431, 53.6817, 12.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 205, 59) }
```

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

```
.background{ background-color: rgb(180,  
205, 59) }
```

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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