

Converting Colors

XYZ(41.9822, 53.2393, 11.3238)

Have a look what the booklet for
XYZ(41.9822, 53.2393, 11.3238)
contains.

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Color

**XYZ(41.9834, 53.2741,
11.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	B9CB34
RGB	185, 203, 52
RGB Percent	73%, 80%, 20%
CMY	0.2745, 0.2039, 0.7961
CMYK	0.09, 0.00, 0.74, 0.20
HSL	67°, 59%, 50%
HSV	67°, 74%, 80%
XYZ	41.9834, 53.2741, 11.3190
YIQ	180.4040, 37.7430, -50.7770

Conversions

Conversions Part 2

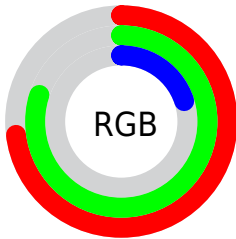
Format	Color
RYB	52, 203, 70
Decimal	12176180
CIELab	78.04, -24.54, 68.09
CIELCh	78, 72.380, 109.820
Yxy	53.2741, 0.3939, 0.4999
Android (android.graphics.Color)	4290366260 (0xFFB9CB34)
YUV	180.4040, -63.3032, 4.0307
Hunter-Lab	72.9891, -25.0576, 41.8978

Details

The XYZ color **41.9834, 53.2741, 11.3190** 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 **14.5350, 8.0711, 57.2949**, and the grayscale version is **43.9170, 46.2041, 50.3162**.

A 20% lighter version of the original color is **75.8827, 91.8789, 28.4868**, and **19.6495, 26.0841, 3.9991** is the 20% darker color. If you saturate the color by 10%, you get **41.0423, 52.8327, 9.3802**, and if you desaturate by 10%, it is **43.1334, 53.8041, 14.2953**.

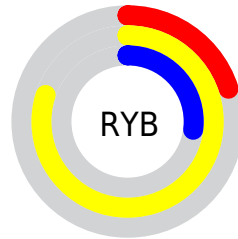
Distribution



Red (73%)

Green (80%)

Blue (20%)



Red (20%)

Yellow (80%)

Blue (27%)

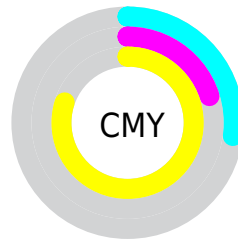


Cyan (9%)

Magenta (0%)

Yellow (74%)

Black (20%)



Cyan (27%)

Magenta (20%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9834, 53.2741, 11.3190 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 41.9834, 53.2741, 11.3190 by changing the saturation by 10% instead.

■ 41.9834, 53.2741,
11.3190

■ 41.9834, 53.2741,
11.3190

345.4069,
399.3358, 210.6586

■ 29.2793, 38.0216,
6.1650

■ 77.4398, 95.0076,
28.8942

■ 19.4376, 25.9995,
2.8752

■ 100.9229,
122.2574, 42.1524

■ 12.0928, 16.8232,
1.0313

■ 128.7297,
154.2751, 58.9491

■ 6.8795, 10.1086,
0.0000

■ 161.2256,
191.4451, 79.7028

■ 3.4325, 5.4710,
0.0000

■ 198.7759,
234.1517, 104.8321

■ 1.3864, 2.5262,
0.0000

241.7460,

■ 0.2465, 0.8897,

282.7795, 134.7554

0.0000

290.5012,
337.7127, 169.8914

■ 0.0000, 0.0000,
0.0000

■ 41.9834, 53.2741,
11.3190

■ 41.9834, 53.2741,
11.3190

■ 41.0423, 52.8327,
9.3802

■ 43.1334, 53.8041,
14.2953

■ 40.2792, 52.4617,
8.3322

■ 44.5111, 54.4244,
18.4239

■ 39.9010, 52.2740,
7.9869

■ 46.1372, 55.1451,
23.8079

■ 48.0289, 55.9734,
30.5383

■ 50.2020, 56.9153,
38.6976

■ 52.6709, 57.9767,
48.3615

■ 55.4492, 59.1631,
59.6007

■ 58.5493, 60.4794,
72.4812

■ 61.9831, 61.9303,
87.0652

Harmonies

Analogous

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



55.5824, 53.2741, 10.2198



41.9834, 53.2741, 11.3190



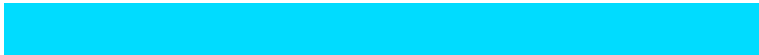
32.6095, 53.2741, 20.9347

Triad

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



41.9834, 53.2741, 11.3190



35.0731, 53.2741, 139.9075



82.3019, 53.2741, 72.8479

Complementary

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



41.9834, 53.2741, 11.3190



14.5350, 8.0711, 57.2949

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.



74.3165, 53.2741, 123.9512



41.9834, 53.2741, 11.3190



45.9911, 53.2741, 172.9891

Square

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



41.9834, 53.2741, 11.3190



29.1634, 53.2741, 88.5365



60.4013, 53.2741, 166.0817



80.6814, 53.2741, 35.4511

Rectangle

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



41.9834, 53.2741, 11.3190



29.2036, 53.2741, 35.1227



60.4013, 53.2741, 166.0817



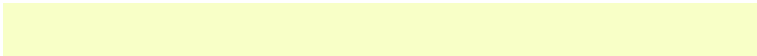
80.6021, 53.2741, 89.1443

Sweetspot

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



41.9846, 53.2765, 11.3201



84.8788, 95.6521, 67.9611



27.4166, 17.2785, 5.1396



17.9371, 20.3741, 13.6594



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.



41.9846, 53.2765, 11.3201



67.9454, 88.0879, 14.5233



28.3937, 46.2702, 10.6841



12.0170, 13.0262, 11.9604



25.4423, 33.2913, 5.0849



1.3506, 1.7371, 0.2641

Inverse Universe

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



14.5350, 8.0711, 57.2949



20.0481, 8.8683, 95.2628



23.7070, 12.7994, 57.7242



10.7240, 10.9070, 14.1104



7.1437, 2.8903, 36.1376



0.4110, 0.1710, 1.8663

Previews

White Background



This preview shows how the XYZ color 41.9834, 53.2741, 11.3190 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 41.9834, 53.2741, 11.3190 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 41.9834, 53.2741, 11.3190

Background



This preview shows how black text looks on a background with the XYZ color 41.9834, 53.2741, 11.3190.



This preview shows how white text looks on a background with the XYZ color 41.9834, 53.2741,

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

41.9834, 53.2741, 11.3190

Protanopia

47.9432, 52.9606, 10.6013

Deuteranopia

54.0514, 52.9047, 11.7777



Tritanopia

52.6499, 52.8969, 64.5619

Trichromacy



Original Color

41.9834, 53.2741, 11.3190

Protanomaly

45.7188, 53.1419, 10.8654

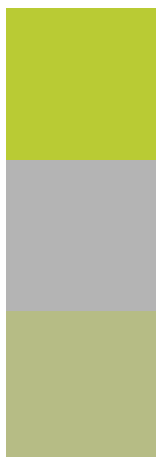
Deuteranomaly

48.9960, 52.5046, 11.5550

Tritanomaly

46.9647, 52.2228, 36.0385

Monochromacy



Original Color

41.9834, 53.2741, 11.3190

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.5083, 47.6050, 29.1913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9834, 53.2741, 11.3190 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, 203, 52)` looks like.

```
.text, #text, p{  
    color:rgb(185, 203, 52)  
}
```

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, 203, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 203, 52) }
```

Border

The CSS property to change the border of an element to XYZ 41.9834, 53.2741, 11.3190 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, 203, 52) }
```


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

```
.border{ border-color:rgb(185, 203, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 203, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 203, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 203, 52);  
box-shadow:4px 4px 4px 4px rgb(185, 203,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9834, 53.2741, 11.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 203, 52) }
```

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

```
.background{ background-color: rgb(185,  
203, 52) }
```

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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