

Converting Colors

XYZ(41.6910, 51.7618, 6.7898)

Have a look what the booklet for
XYZ(41.6910, 51.7618, 6.7898)
contains.

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Color

**XYZ(41.9093, 51.9232,
7.8133)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC700
RGB	191, 199, 0
RGB Percent	75%, 78%, 0%
CMY	0.2510, 0.2196, 0.9999
CMYK	0.04, 0.00, 1.00, 0.22
HSL	62°, 100%, 39%
HSV	62°, 100%, 78%
XYZ	41.9093, 51.9232, 7.8133
YIQ	173.9220, 59.1110, -63.5850

Conversions

Conversions Part 2

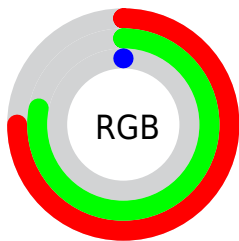
Format	Color
RYB	0, 199, 8
Decimal	12568320
CIELab	77.23, -21.31, 77.64
CIELCh	77, 80.511, 105.349
Yxy	51.9232, 0.4123, 0.5108
Android (android.graphics.Color)	4290758400 (0xFFBFC700)
YUV	173.9220, -85.7435, 14.9774
Hunter-Lab	72.0578, -22.2842, 44.0115

Details

The XYZ color **41.9093, 51.9232, 7.8133** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.4101, 4.1761, 54.2934**, and the grayscale version is **40.5999, 42.7143, 46.5159**.

A 20% lighter version of the original color is **77.1050, 92.6538, 22.0037**, and **19.7983, 25.2373, 3.8278** is the 20% darker color. If you saturate the color by 10%, you get **41.9101, 51.9254, 7.8137**, and if you desaturate by 10%, it is **42.2379, 52.0799, 8.4845**.

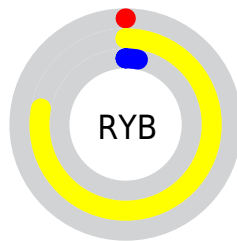
Distribution



Red (75%)

Green (78%)

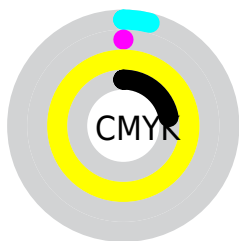
Blue (0%)



Red (0%)

Yellow (78%)

Blue (3%)

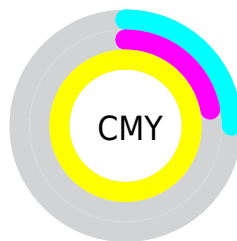


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (25%)

Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9093, 51.9232, 7.8133 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 41.9093, 51.9232, 7.8133 by changing the saturation by 10% instead.

■ 41.9093, 51.9232,
7.8133

■ 41.9093, 51.9232,
7.8133

345.1048,
394.1400, 184.1398

■ 29.2211, 36.9439,
3.8897

■ 77.3284, 93.0180,
22.1317

■ 19.3932, 25.1640,
1.5650

■ 100.7899,
119.9022, 33.3636

■ 12.0605, 16.1993,
0.2657

■ 128.5733,
151.5235, 47.8686

■ 6.8574, 9.6653,
0.0000

■ 161.0438,
188.2663, 66.0653

■ 3.4186, 5.1776,
0.0000

■ 198.5669,
230.5149, 88.3722

■ 1.3788, 2.3518,
0.0000

■ 241.5078,

■ 0.2410, 0.8009,

278.6538, 115.2079

0.0000

290.2320,
333.0674, 146.9909

■ 0.0000, 0.0000,
0.0000

■ 41.9093, 51.9232,
7.8133

■ 41.9093, 51.9232,
7.8133

■ 41.9101, 51.9254,
7.8137

■ 42.2379, 52.0799,
8.4845

■ 42.6953, 52.2863,
9.8337

■ 43.3278, 52.5629,
12.0988

■ 44.1588, 52.9190,
15.4038

■ 45.2083, 53.3627,
19.8536

■ 46.4939, 53.9008,
25.5404

■ 48.0311, 54.5398,
32.5469

■ 49.8344, 55.2854,
40.9486

■ 51.9171, 56.1428,
50.8155

Harmonies

Analogous

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



57.2403, 51.9232, 7.7420



41.9093, 51.9232, 7.8133



31.1151, 51.9232, 15.3839

Triad

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



41.9093, 51.9232, 7.8133



31.3032, 51.9232, 141.0558



83.9695, 51.9232, 80.8584

Complementary

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



41.9093, 51.9232, 7.8133



10.4101, 4.1761, 54.2934

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.



73.6025, 51.9232, 139.7147



41.9093, 51.9232, 7.8133



42.2229, 51.9232, 184.9764

Square

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



41.9093, 51.9232, 7.8133



25.9184, 51.9232, 82.1332



57.6263, 51.9232, 184.3871



83.8364, 51.9232, 36.8997

Rectangle

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



41.9093, 51.9232, 7.8133



27.0042, 51.9232, 27.9908



57.6263, 51.9232, 184.3871



81.5157, 51.9232, 99.8833

Sweetspot

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



41.9105, 51.9256, 7.8144



83.9629, 95.4354, 56.3787



23.6269, 12.2873, 1.1271



17.7151, 20.3207, 10.8917



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.



41.9105, 51.9256, 7.8144



73.3257, 90.8858, 13.6780



24.9269, 43.1703, 7.0195



11.4801, 12.3944, 11.3501



26.9660, 33.3968, 5.0250



1.2902, 1.5882, 0.2386

Inverse Universe

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



10.4101, 4.1761, 54.2934



18.1784, 7.2862, 95.0560



16.2709, 7.1974, 54.5677



10.0955, 10.3075, 13.3749



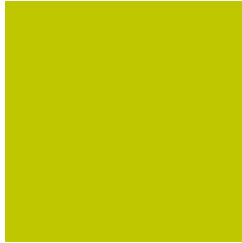
6.7110, 2.6939, 34.9106



0.3319, 0.1348, 1.6537

Previews

White Background



This preview shows how the XYZ color 41.9093, 51.9232, 7.8133 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 41.9093, 51.9232, 7.8133 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 41.9093, 51.9232, 7.8133

Background



This preview shows how black text looks on a background with the XYZ color 41.9093, 51.9232, 7.8133.

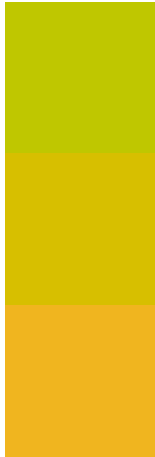


This preview shows how white text looks on a background with the XYZ color 41.9093, 51.9232,

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

41.9093, 51.9232, 7.8133

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

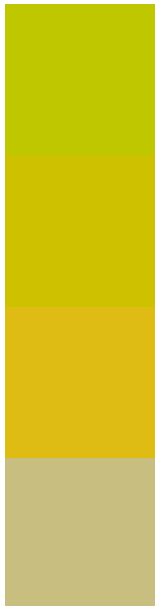
52.7064, 51.6719, 8.4921



Tritanopia

52.8346, 51.8006, 61.2467

Trichromacy



Original Color

41.9093, 51.9232, 7.8133

Protanomaly

44.7454, 51.7054, 7.6218

Deuteranomaly

48.2337, 51.5465, 8.0691

Tritanomaly

46.0636, 50.6386, 27.4251

Monochromacy



Original Color

41.9093, 51.9232, 7.8133

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6251, 44.7180, 21.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9093, 51.9232, 7.8133 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(191, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 199, 0)  
}
```

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(191, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.9093, 51.9232, 7.8133 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(191, 199, 0) }
```


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

```
.border{ border-color:rgb(191, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9093, 51.9232, 7.8133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 199, 0) }
```

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

```
.background{ background-color: rgb(191,  
199, 0) }
```

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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