

Converting Colors

XYZ(40.0233, 51.7811, 11.2985)

Have a look what the booklet for
XYZ(40.0233, 51.7811, 11.2985)
contains.

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Color

**XYZ(40.1232, 51.9631,
11.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	B2CA35
RGB	178, 202, 53
RGB Percent	70%, 79%, 21%
CMY	0.3020, 0.2078, 0.7921
CMYK	0.12, 0.00, 0.74, 0.21
HSL	70°, 58%, 50%
HSV	70°, 74%, 79%
XYZ	40.1232, 51.9631, 11.2833
YIQ	177.8380, 33.5250, -51.4270

Conversions

Conversions Part 2

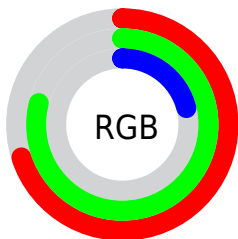
Format	Color
RYB	53, 202, 77
Decimal	11717173
CIELab	77.26, -26.90, 66.85
CIElCh	77, 72.059, 111.919
Yxy	51.9631, 0.3882, 0.5027
Android (android.graphics.Color)	4289907253 (0xFFB2CA35)
YUV	177.8380, -61.5451, 0.1421
Hunter-Lab	72.0854, -26.7953, 41.1793

Details

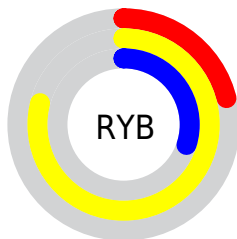
The XYZ color **40.1232, 51.9631, 11.2833** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.9961, 8.3895, 56.7093**, and the grayscale version is **42.5354, 44.7505, 48.7333**.

A 20% lighter version of the original color is **73.4995, 90.6503, 28.3753**, and **18.4751, 25.2448, 3.8990** is the 20% darker color. If you saturate the color by 10%, you get **39.0155, 51.4366, 9.2965**, and if you desaturate by 10%, it is **41.4468, 52.5817, 14.3040**.

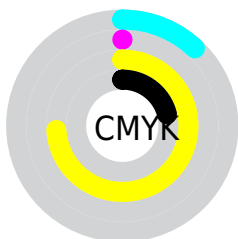
Distribution



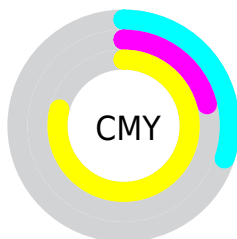
- Red (70%)
- Green (79%)
- Blue (21%)



- Red (21%)
- Yellow (79%)
- Blue (30%)



- Cyan (12%)
- Magenta (0%)
- Yellow (74%)
- Black (21%)



- Cyan (30%)
- Magenta (21%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1232, 51.9631, 11.2833 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 40.1232, 51.9631, 11.2833 by changing the saturation by 10% instead.

■ 40.1232, 51.9631,
11.2833

■ 40.1232, 51.9631,
11.2833

337.7681,
394.2941, 210.4077

■ 27.8193, 36.9757,
6.1412

■ 74.6342, 93.0768,
28.8275

■ 18.3292, 25.1886,
2.8609

■ 97.5720, 119.9719,
42.0666

■ 11.2877, 16.2177,
1.0241

■ 124.7851,
151.6050, 58.8418

■ 6.3294, 9.6783,
0.0000

■ 156.6389,
188.3604, 79.5716

■ 3.0890, 5.1862,
0.0000

■ 193.4988,
230.6227, 104.6745

■ 1.2010, 2.3569,
0.0000

235.7300,

■ 0.1071, 0.8036,

278.7761, 134.5692

0.0000

283.6980,
333.2051, 169.6740

■ 0.0000, 0.0000,
0.0000

■ 40.1232, 51.9631,
11.2833

■ 40.1232, 51.9631,
11.2833

■ 39.0155, 51.4366,
9.2965

■ 41.4468, 52.5817,
14.3040

■ 38.0934, 50.9846,
8.2008

■ 43.0048, 53.2943,
18.4708

■ 37.5827, 50.7294,
7.8109

■ 44.8174, 54.1107,
23.8849

■ 46.9017, 55.0380,
30.6354

■ 49.2732, 56.0822,
38.8034

■ 51.9462, 57.2492,
48.4635

■ 54.9340, 58.5442,
59.6850

■ 58.2491, 59.9722,
72.5331

■ 61.9031, 61.5380,
87.0689

Harmonies

Analogous

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



53.2181, 51.9631, 9.7405



40.1232, 51.9631, 11.2833



31.2938, 51.9631, 21.4354

Triad

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



40.1232, 51.9631, 11.2833



34.7518, 51.9631, 140.0598



80.6296, 51.9631, 67.9604

Complementary

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



40.1232, 51.9631, 11.2833



14.9961, 8.3895, 56.7093

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.



73.3850, 51.9631, 117.6594



40.1232, 51.9631, 11.2833



45.7488, 51.9631, 170.2499

Square

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



40.1232, 51.9631, 11.2833



28.6193, 51.9631, 89.9895



59.9825, 51.9631, 160.5540



78.3551, 51.9631, 32.6690

Rectangle

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



40.1232, 51.9631, 11.2833



28.1986, 51.9631, 36.1016



59.9825, 51.9631, 160.5540



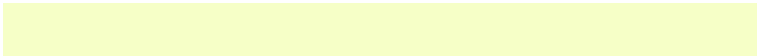
79.1855, 51.9631, 83.6240

Sweetspot

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



40.1244, 51.9655, 11.2844



84.0497, 95.2247, 67.9223



27.5415, 17.8949, 5.3713



17.7388, 20.2719, 13.6501



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.



40.1244, 51.9655, 11.2844



65.0140, 86.5767, 14.3861



27.6084, 45.5133, 10.6987



11.9695, 13.0017, 11.9581



24.2459, 32.6745, 5.0289



1.2995, 1.7107, 0.2617

Inverse Universe

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



14.9961, 8.3895, 56.7093



20.6210, 9.1636, 95.2896



24.4857, 13.2815, 57.1534



10.7673, 10.9294, 14.1124



7.3042, 2.9730, 36.1451



0.4310, 0.1813, 1.8672

Previews

White Background



This preview shows how the XYZ color 40.1232, 51.9631, 11.2833 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 40.1232, 51.9631, 11.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

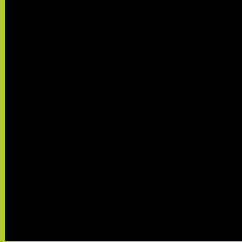
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1232, 51.9631, 11.2833

Background



This preview shows how black text looks on a background with the XYZ color 40.1232, 51.9631, 11.2833.



This preview shows how white text looks on a background with the XYZ color 40.1232, 51.9631,

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

40.1232, 51.9631, 11.2833

Protanopia

46.9381, 51.7880, 10.5398

Deuteranopia

52.6533, 51.5727, 11.7368



Tritanopia

50.7550, 51.6157, 63.7877

Trichromacy



Original Color

40.1232, 51.9631, 11.2833

Protanomaly

44.2000, 51.6867, 10.7789

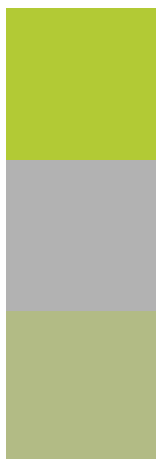
Deuteranomaly

47.3059, 51.3099, 11.5482

Tritanomaly

45.1543, 50.9694, 35.4752

Monochromacy



Original Color

40.1232, 51.9631, 11.2833

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.3641, 46.6991, 29.0767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1232, 51.9631, 11.2833 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(178, 202, 53)` looks like.

```
.text, #text, p{  
    color:rgb(178, 202, 53)  
}
```

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(178, 202, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 202, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.1232, 51.9631, 11.2833 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(178, 202, 53) }
```


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

```
.border{ border-color:rgb(178, 202, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 202, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 202, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 202, 53);  
box-shadow:4px 4px 4px 4px rgb(178, 202,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1232, 51.9631, 11.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 202, 53) }
```

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

```
.background{ background-color: rgb(178,  
202, 53) }
```

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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