

Converting Colors

XYZ(34.4329, 41.0938, 7.2512)

Have a look what the booklet for
XYZ(34.4329, 41.0938, 7.2512)
contains.

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Color

**XYZ(34.3040, 40.9980,
7.2678)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B11D
RGB	178, 177, 29
RGB Percent	70%, 69%, 11%
CMY	0.3020, 0.3059, 0.8862
CMYK	0.00, 0.01, 0.84, 0.30
HSL	60°, 72%, 41%
HSV	60°, 84%, 70%
XYZ	34.3040, 40.9980, 7.2678
YIQ	160.4270, 48.1040, -45.8160

Conversions

Conversions Part 2

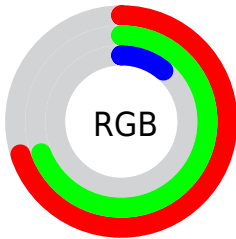
Format	Color
RYB	30, 178, 29
Decimal	11710749
CIELab	70.17, -15.45, 67.45
CIELCh	70, 69.195, 102.903
Yxy	40.9980, 0.4155, 0.4965
Android (android.graphics.Color)	4289900829 (0xFFB2B11D)
YUV	160.4270, -64.7935, 15.4115
Hunter-Lab	64.0297, -16.4203, 38.0910

Details

The XYZ color **34.3040, 40.9980, 7.2678** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.0071, 4.4043, 42.4945**, and the grayscale version is **33.8868, 35.6516, 38.8246**.

A 20% lighter version of the original color is **65.6271, 76.4559, 20.9714**, and **15.2188, 18.7322, 2.8136** is the 20% darker color. If you saturate the color by 10%, you get **34.1212, 40.8889, 6.4169**, and if you desaturate by 10%, it is **34.6158, 41.1618, 8.7896**.

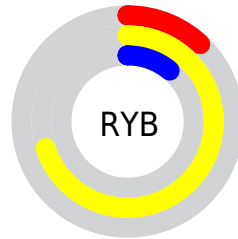
Distribution



Red (70%)

Green (69%)

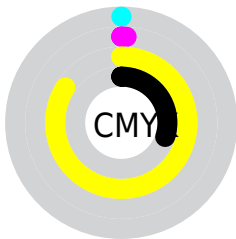
Blue (11%)



Red (12%)

Yellow (70%)

Blue (11%)

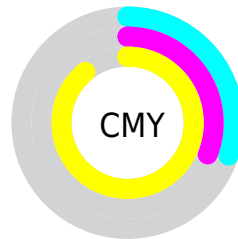


Cyan (0%)

Magenta (1%)

Yellow (84%)

Black (30%)



Cyan (30%)


Magenta (31%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3040, 40.9980, 7.2678 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 34.3040, 40.9980, 7.2678 by changing the saturation by 10% instead.


 34.3040, 40.9980,
7.2678


 34.3040, 40.9980,
7.2678


313.0476,
350.3123, 179.5852


 23.2912, 28.3175,
3.5492


 65.7473, 76.6809,
21.0319


 14.9306, 18.5651,
1.3814


 86.9085, 100.4520,
31.9145

 8.8567, 11.3565,
0.1272


 112.1833,
128.6889, 46.0222

 4.7042, 6.3072,
0.0000

 141.9369,
161.7758, 63.7734

 2.1077, 3.0327,
0.0000

 176.5348,
200.0972, 85.5868

 0.6934, 1.1488,
0.0000

 216.3423,

 0.0000, 0.0193,

244.0375, 111.8809

0.0000

261.7248,
293.9811, 143.0742

■ 0.0000, 0.0000,
0.0000

■ 34.3040, 40.9980,
7.2678

■ 34.3040, 40.9980,
7.2678

■ 34.1212, 40.8889,
6.4169

■ 34.6158, 41.1618,
8.7896

■ 34.0449, 40.8348,
6.0875

■ 35.0728, 41.3822,
11.0807

■ 35.6921, 41.6676,
14.2257

■ 36.4874, 42.0233,
18.2976

■ 37.4711, 42.4545,
23.3615

■ 38.6545, 42.9656,
29.4768

■ 40.0479, 43.5607,
36.6981

■ 41.6610, 44.2437,
45.0762

■ 43.5029, 45.0183,
54.6588

Harmonies

Analogous

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



45.7268, 40.9980, 7.6258



34.3040, 40.9980, 7.2678



25.9429, 40.9980, 12.7673

Triad

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



34.3040, 40.9980, 7.2678



25.0931, 40.9980, 101.9811



63.7084, 40.9980, 65.6008

Complementary

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



34.3040, 40.9980, 7.2678



9.0071, 4.4043, 42.4945

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.



55.7520, 40.9980, 107.6828



34.3040, 40.9980, 7.2678



32.9092, 40.9980, 134.7251

Square

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



34.3040, 40.9980, 7.2678



21.3612, 40.9980, 60.0652



44.0353, 40.9980, 137.2074



64.2826, 40.9980, 32.1111

Rectangle

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



34.3040, 40.9980, 7.2678



22.6178, 40.9980, 21.8313



44.0353, 40.9980, 137.2074



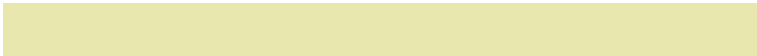
61.7471, 40.9980, 79.5014

Sweetspot

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



34.3049, 40.9999, 7.2686



69.7004, 77.7453, 51.3963



19.0533, 10.4456, 2.3425



15.2726, 17.1514, 10.5102



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.3049, 40.9999, 7.2686



61.7316, 74.0374, 11.0370



22.0844, 34.9926, 6.7532



9.1921, 9.8967, 9.0783



24.3617, 29.2220, 4.3564



0.7681, 0.9225, 0.1376

Inverse Universe

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



9.0071, 4.4043, 42.4945



14.5894, 5.8627, 76.7438



13.8445, 6.8613, 42.7138



8.0464, 8.2389, 10.6725



5.7609, 2.3221, 30.2816



0.1828, 0.0761, 0.9533

Previews

White Background



This preview shows how the XYZ color 34.3040, 40.9980, 7.2678 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 34.3040, 40.9980, 7.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

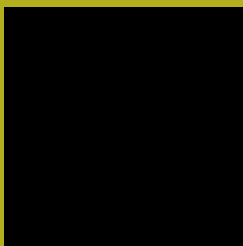
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

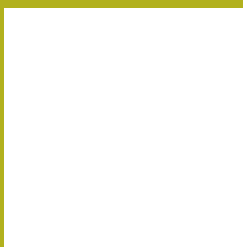
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3040, 40.9980, 7.2678

Background



This preview shows how black text looks on a background with the XYZ color 34.3040, 40.9980, 7.2678.



This preview shows how white text looks on a background with the XYZ color 34.3040, 40.9980,

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

34.3040, 40.9980, 7.2678

Protanopia

36.9544, 40.9263, 7.0505

Deuteranopia

41.7659, 40.9333, 7.5333



Tritanopia

42.4773, 40.9434, 47.7836

Trichromacy



Original Color

34.3040, 40.9980, 7.2678

Protanomaly

36.0847, 41.0473, 7.1197

Deuteranomaly

38.6631, 40.6832, 7.4050

Tritanomaly

37.8336, 40.1455, 24.8236

Monochromacy



Original Color

34.3040, 40.9980, 7.2678

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4972, 36.6578, 20.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3040, 40.9980, 7.2678 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, 177, 29)` looks like.

```
.text, #text, p{  
    color:rgb(178, 177, 29)  
}
```

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, 177, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 177, 29) }
```

Border

The CSS property to change the border of an element to XYZ 34.3040, 40.9980, 7.2678 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, 177, 29) }
```


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

```
.border{ border-color:rgb(178, 177, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 177, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 177, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 177, 29);  
box-shadow:4px 4px 4px 4px rgb(178, 177,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3040, 40.9980, 7.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 177, 29) }
```

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

```
.background{ background-color: rgb(178,  
177, 29) }
```

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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