

Converting Colors

XYZ(34.6959, 41.3823, 10.8997)

Have a look what the booklet for
XYZ(34.6959, 41.3823, 10.8997)
contains.

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Color

**XYZ(34.7221, 41.4298,
10.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B23F
RGB	176, 178, 63
RGB Percent	69%, 70%, 25%
CMY	0.3098, 0.3019, 0.7529
CMYK	0.01, 0.00, 0.65, 0.30
HSL	61°, 48%, 47%
HSV	61°, 65%, 70%
XYZ	34.7221, 41.4298, 10.8693
YIQ	164.2920, 35.7230, -36.1890

Conversions

Conversions Part 2

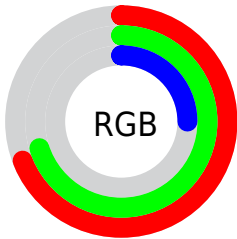
Format	Color
RYB	63, 178, 65
Decimal	11579967
CIELab	70.48, -15.31, 56.32
CIELCh	70, 58.363, 105.208
Yxy	41.4298, 0.3990, 0.4761
Android (android.graphics.Color)	4289770047 (0xFFB0B23F)
YUV	164.2920, -49.9370, 10.2679
Hunter-Lab	64.3660, -16.3490, 35.0441

Details

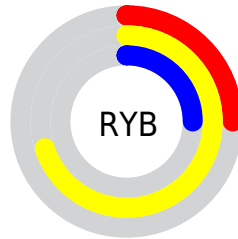
The XYZ color **34.7221, 41.4298, 10.8693** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.9946, 7.8941, 43.0136**, and the grayscale version is **35.6455, 37.5018, 40.8395**.

A 20% lighter version of the original color is **66.5069, 77.5990, 27.9958**, and **15.2066, 18.9148, 2.8494** is the 20% darker color. If you saturate the color by 10%, you get **34.2332, 41.2277, 8.6566**, and if you desaturate by 10%, it is **35.3739, 41.7002, 13.9306**.

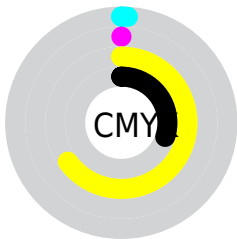
Distribution



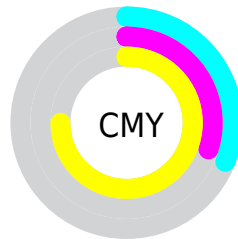
- Red (69%)
- Green (70%)
- Blue (25%)



- Red (25%)
- Yellow (70%)
- Blue (25%)



- Cyan (1%)
- Magenta (0%)
- Yellow (65%)
- Black (30%)



- Cyan (31%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7221, 41.4298, 10.8693 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 34.7221, 41.4298, 10.8693 by changing the saturation by 10% instead.

■ 34.7221, 41.4298,
10.8693

■ 34.7221, 41.4298,
10.8693

314.8695,
352.1138, 207.4738

■ 23.6144, 28.6551,
5.8660

■ 66.3919, 77.3359,
28.0512

■ 15.1710, 18.8200,
2.6963

■ 87.6847, 101.2361,
41.0668

■ 9.0266, 11.5403,
0.9416

■ 113.1032,
129.6136, 57.5902

■ 4.8158, 6.4315,
0.0000

■ 143.0129,
162.8527, 78.0400

■ 2.1732, 3.1092,
0.0000

■ 177.7790,
201.3379, 102.8348

■ 0.7286, 1.1890,
0.0000

217.7669,

■ 0.0000, 0.0527,

245.4535, 132.3929

0.0000

263.3420,
295.5840, 167.1331

■ 0.0000, 0.0000,
0.0000

■ 34.7221, 41.4298,
10.8693

■ 34.7221, 41.4298,
10.8693

■ 34.2332, 41.2277,
8.6566

■ 35.3739, 41.7002,
13.9306

■ 33.8882, 41.0816,
7.2049

■ 36.1997, 42.0386,
17.9118

■ 33.6685, 40.9857,
6.4122

■ 37.2131, 42.4521,
22.8795

■ 33.5783, 40.9452,
6.1335

■ 38.4252, 42.9452,
28.8935

■ 39.8467, 43.5219,
36.0087

■ 41.4872, 44.1864,
44.2765

■ 43.3558, 44.9420,
53.7447

■ 45.4611, 45.7924,
64.4585

■ 47.8113, 46.7408,
76.4610

Harmonies

Analogous

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



44.2915, 41.4298, 10.8308



34.7221, 41.4298, 10.8693



27.6556, 41.4298, 17.1347

Triad

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



34.7221, 41.4298, 10.8693



27.7308, 41.4298, 94.1146



60.1058, 41.4298, 60.0313

Complementary

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



34.7221, 41.4298, 10.8693



11.9946, 7.8941, 43.0136

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.



54.0172, 41.4298, 93.6708



34.7221, 41.4298, 10.8693



34.8416, 41.4298, 118.1585

Square

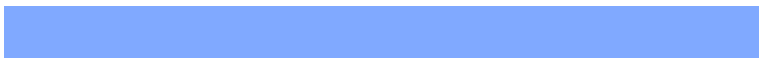
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.7221, 41.4298, 10.8693



24.0897, 41.4298, 60.4823



44.4321, 41.4298, 117.9693



60.0597, 41.4298, 32.5916

Rectangle

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



34.7221, 41.4298, 10.8693



24.8594, 41.4298, 26.3435



44.4321, 41.4298, 117.9693



58.6701, 41.4298, 71.1687

Sweetspot

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



34.7231, 41.4317, 10.8702



70.9894, 78.4063, 58.9470



21.1442, 13.5959, 6.2130



15.5687, 17.3064, 12.2646



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.



34.7231, 41.4317, 10.8702



61.7486, 74.6214, 14.2867



24.3699, 36.0945, 10.3856



9.1821, 9.8990, 9.0793



24.0301, 29.2980, 4.3886



0.7607, 0.9242, 0.1383

Inverse Universe

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



11.9946, 7.8941, 43.0136



17.2911, 8.9912, 77.2053



17.8998, 10.9383, 43.2899



8.0552, 8.2370, 10.6717



5.7832, 2.3171, 30.2794



0.1865, 0.0752, 0.9529

Previews

White Background



This preview shows how the XYZ color 34.7221, 41.4298, 10.8693 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 34.7221, 41.4298, 10.8693 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 34.7221, 41.4298, 10.8693

Background



This preview shows how black text looks on a background with the XYZ color 34.7221, 41.4298, 10.8693.



This preview shows how white text looks on a background with the XYZ color 34.7221, 41.4298,

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

34.7221, 41.4298, 10.8693

Protanopia

37.5513, 41.4414, 10.5773

Deuteranopia

42.0504, 41.2644, 11.2174



Tritanopia

42.5505, 41.4975, 48.9472

Trichromacy



Original Color

34.7221, 41.4298, 10.8693

Protanomaly

36.4492, 41.4468, 10.6364

Deuteranomaly

38.9908, 41.0486, 11.0224

Tritanomaly

38.6067, 40.9992, 29.5458

Monochromacy



Original Color

34.7221, 41.4298, 10.8693

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1672, 38.2331, 25.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7221, 41.4298, 10.8693 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(176, 178, 63)` looks like.

```
.text, #text, p{  
    color:rgb(176, 178, 63)  
}
```

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(176, 178, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 178, 63) }
```

Border

The CSS property to change the border of an element to XYZ 34.7221, 41.4298, 10.8693 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(176, 178, 63) }
```


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

```
.border{ border-color:rgb(176, 178, 63) }
```

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

Here you see how a box with a 4 pixel rgb(176, 178, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 178, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 178, 63);  
box-shadow:4px 4px 4px 4px rgb(176, 178,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7221, 41.4298, 10.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 178, 63) }
```

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

```
.background{ background-color: rgb(176,  
178, 63) }
```

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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