

Converting Colors

XYZ(34.7952, 51.7275, 10.7353)

Have a look what the booklet for
XYZ(34.7952, 51.7275, 10.7353)
contains.

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Color

**XYZ(34.7952, 51.7275,
10.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	90D12E
RGB	144, 209, 46
RGB Percent	56%, 82%, 18%
CMY	0.4353, 0.1804, 0.8196
CMYK	0.31, 0.00, 0.78, 0.18
HSL	84°, 64%, 50%
HSV	84°, 78%, 82%
XYZ	34.7952, 51.7275, 10.7353
YIQ	170.9830, 13.5830, -64.4730

Conversions

Conversions Part 2

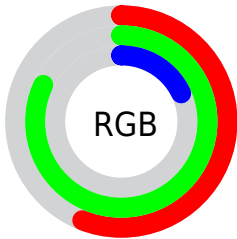
Format	Color
RYB	46, 209, 111
Decimal	9490734
CIELab	77.12, -43.69, 68.15
CIELCh	77, 80.953, 122.661
Yxy	51.7275, 0.3578, 0.5319
Android (android.graphics.Color)	4287680814 (0xFF90D12E)
YUV	170.9830, -61.6166, -23.6641
Hunter-Lab	71.9218, -39.5064, 41.4955

Details

The XYZ color **34.7952, 51.7275, 10.7353** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle washed chartreuse. A complement of this color would be **19.0436, 9.9386, 61.2393**, and the grayscale version is **38.9967, 41.0276, 44.6790**.

A 20% lighter version of the original color is **62.6669, 85.0965, 26.4870**, and **15.4861, 25.1374, 4.0358** is the 20% darker color. If you saturate the color by 10%, you get **33.0771, 50.8800, 9.0032**, and if you desaturate by 10%, it is **36.8236, 52.7151, 13.5299**.

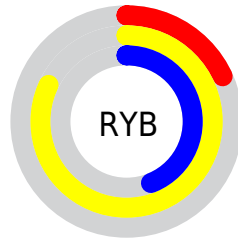
Distribution



Red (56%)

Green (82%)

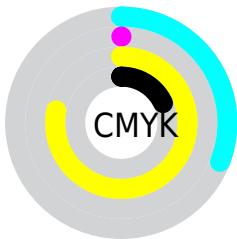
Blue (18%)



Red (18%)

Yellow (82%)

Blue (44%)

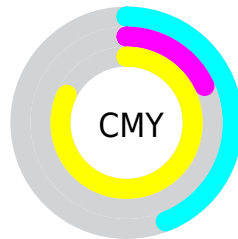


Cyan (31%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (44%)

Magenta (18%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7952, 51.7275, 10.7353 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 34.7952, 51.7275, 10.7353 by changing the saturation by 10% instead.

■ 34.7952, 51.7275,
10.7353

■ 34.7952, 51.7275,
10.7353

■ 315.1873,
393.3837, 206.5143

■ 23.6709, 36.7879,
5.7772

■ 66.5045, 92.7292,
27.7988

■ 15.2131, 25.0433,
2.6435

■ 87.8202, 119.5602,
40.7412

■ 9.0564, 16.1093,
0.9148

■ 113.2638,
151.1237, 57.1822

■ 4.8354, 9.6016,
0.0000

■ 143.2007,
187.8042, 77.5403

■ 2.1848, 5.1356,
0.0000

■ 177.9961,
229.9860, 102.2340

■ 0.7347, 2.3270,
0.0000

■ 218.0154,

■ 0.0000, 0.7880,

278.0536, 131.6819

0.0000

263.6240,
332.3914, 166.3025

■ 0.0000, 0.0000,
0.0000

■ 34.7952, 51.7275,
10.7353

■ 34.7952, 51.7275,
10.7353

■ 33.0771, 50.8800,
9.0032

■ 36.8236, 52.7151,
13.5299

■ 31.6261, 50.1497,
8.1338

■ 39.1867, 53.8475,
17.5192

■ 31.3544, 50.0124,
8.0008

■ 41.9096, 55.1367,
22.8195

■ 45.0139, 56.5916,
29.5326

■ 48.5189, 58.2203,
37.7502

■ 52.4426, 60.0300,
47.5563

■ 56.8016, 62.0278,
59.0286

■ 61.6117, 64.2200,
72.2398

■ 66.8876, 66.6129,
87.2582

Harmonies

Analogous

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



47.7974, 51.7275, 6.8858



34.7952, 51.7275, 10.7353



27.1913, 51.7275, 25.5558

Triad

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



34.7952, 51.7275, 10.7353



36.7295, 51.7275, 170.9638



85.2714, 51.7275, 52.4594

Complementary

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



34.7952, 51.7275, 10.7353



19.0436, 9.9386, 61.2393

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.



80.6086, 51.7275, 105.2111



34.7952, 51.7275, 10.7353



50.5593, 51.7275, 191.4929

Square

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



34.7952, 51.7275, 10.7353



28.1324, 51.7275, 115.9468



67.0305, 51.7275, 162.8060



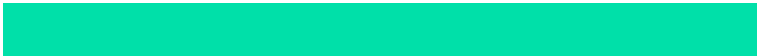
78.7037, 51.7275, 21.7207

Rectangle

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



34.7952, 51.7275, 10.7353



25.1690, 51.7275, 46.1247



67.0305, 51.7275, 162.8060



84.9662, 51.7275, 67.9224

Sweetspot

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



34.7964, 51.7298, 10.7364



78.9158, 92.6120, 66.1503



32.2035, 24.5820, 5.6330



16.4210, 19.6056, 12.9982



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.



34.7964, 51.7298, 10.7364



50.2269, 78.9677, 13.0583



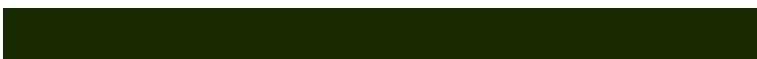
25.4764, 46.9252, 10.3002



12.3282, 13.5526, 12.5782



19.4451, 30.8933, 4.9381



1.1754, 1.7728, 0.2802

Inverse Universe

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



19.0436, 9.9386, 61.2393



24.7675, 10.9429, 95.4145



33.7188, 17.5039, 61.9260



11.6035, 11.6444, 14.8797



9.4188, 4.0359, 37.4751



0.6151, 0.2713, 2.0995

Previews

White Background



This preview shows how the XYZ color 34.7952, 51.7275, 10.7353 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 34.7952, 51.7275, 10.7353 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 34.7952, 51.7275, 10.7353

Background



This preview shows how black text looks on a background with the XYZ color 34.7952, 51.7275, 10.7353.



This preview shows how white text looks on a background with the XYZ color 34.7952, 51.7275,

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

34.7952, 51.7275, 10.7353

Protanopia

46.2543, 51.1331, 9.5296

Deuteranopia

52.0357, 50.9628, 11.2319



Tritanopia

46.4578, 51.5759, 68.4793

Trichromacy



Original Color

34.7952, 51.7275, 10.7353

Protanomaly

41.1413, 50.7983, 9.9222

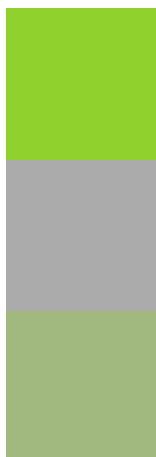
Deuteranomaly

43.9253, 50.2245, 10.8692

Tritanomaly

40.0639, 50.6787, 36.5245

Monochromacy



Original Color

34.7952, 51.7275, 10.7353

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

35.8128, 43.7813, 26.3018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7952, 51.7275, 10.7353 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(144, 209, 46)` looks like.

```
.text, #text, p{  
    color:rgb(144, 209, 46)  
}
```

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(144, 209, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 209, 46) }
```

Border

The CSS property to change the border of an element to XYZ 34.7952, 51.7275, 10.7353 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(144, 209, 46) }
```


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

```
.border{ border-color:rgb(144, 209, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 209, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 209, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 209, 46);  
box-shadow:4px 4px 4px 4px rgb(144, 209,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7952, 51.7275, 10.7353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 209, 46) }
```

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

```
.background{ background-color: rgb(144,  
209, 46) }
```

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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