

Converting Colors

XYZ(33.9815, 51.7508, 24.0282)

Have a look what the booklet for
XYZ(33.9815, 51.7508, 24.0282)
contains.

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Color

**XYZ(33.9393, 51.7254,
24.1148)**

Conversions

Conversions Part 1

Format	Color
Hex	77D372
RGB	119, 211, 114
RGB Percent	47%, 83%, 45%
CMY	0.5333, 0.1725, 0.5529
CMYK	0.44, 0.00, 0.46, 0.17
HSL	117°, 52%, 64%
HSV	117°, 46%, 83%
XYZ	33.9393, 51.7254, 24.1148
YIQ	172.4340, -23.6950, -49.6710

Conversions

Conversions Part 2

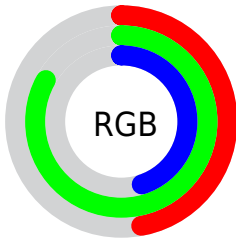
Format	Color
RYB	114, 211, 206
Decimal	7852914
CIELab	77.12, -46.64, 39.54
CIELCh	77, 61.144, 139.709
Yxy	51.7254, 0.3092, 0.4712
Android (android.graphics.Color)	4286042994 (0xFF77D372)
YUV	172.4340, -28.8080, -46.8616
Hunter-Lab	71.9204, -41.6263, 30.4644

Details

The XYZ color **33.9393, 51.7254, 24.1148** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **43.2313, 29.8613, 65.1160**, and the grayscale version is **39.5840, 41.6455, 45.3519**.

A 20% lighter version of the original color is **60.6395, 83.5401, 49.4880**, and **14.7723, 25.1599, 8.7804** is the 20% darker color. If you saturate the color by 10%, you get **30.4110, 50.0312, 18.3874**, and if you desaturate by 10%, it is **38.3255, 53.8330, 31.3306**.

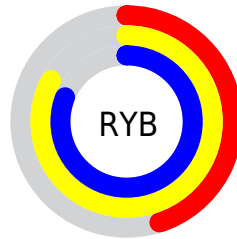
Distribution



Red (47%)

Green (83%)

Blue (45%)



Red (45%)

Yellow (83%)

Blue (81%)

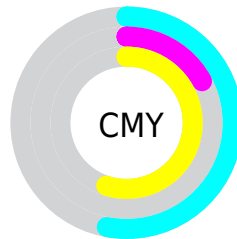


Cyan (44%)

Magenta (0%)

Yellow (46%)

Black (17%)



Cyan (53%)

Magenta (17%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9393, 51.7254, 24.1148 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 33.9393, 51.7254, 24.1148 by changing the saturation by 10% instead.

■ 33.9393, 51.7254,
24.1148

■ 33.9393, 51.7254,
24.1148

311.4520,
393.3756, 286.7056

■ 23.0096, 36.7862,
15.2058

■ 65.1842, 92.7261,
51.1637

■ 14.7214, 25.0420,
8.8157

■ 86.2301, 119.5565,
70.1406

■ 8.7091, 16.1084,
4.5260

■ 111.3788,
151.1194, 93.3106

■ 4.6075, 9.6009,
1.9181

140.9957,
187.7992, 121.0922

■ 2.0512, 5.1351,
0.5042

175.4461,
229.9804, 153.9040

■ 0.6625, 2.3268,
0.0000

215.0954,

■ 0.0000, 0.7878,

278.0472, 192.1644

0.0000

260.3089,
332.3841, 236.2921

■ 0.0000, 0.0000,
0.0000

■ 33.9393, 51.7254,
24.1148

■ 33.9393, 51.7254,
24.1148

■ 30.4110, 50.0312,
18.3874

■ 38.3255, 53.8330,
31.3306

■ 27.6809, 48.7171,
14.0415

■ 43.6168, 56.3715,
40.1249

■ 25.6876, 47.7556,
10.9614


■ 49.8612, 59.3656,
50.5847


■ 24.3593, 47.1127,
9.0115


■ 57.1025, 62.8360,
62.7899

■ 23.6092, 46.7470,
8.0229

■ 65.3816, 66.8021,
76.8149

 23.4316, 46.6609,
7.7715

 74.7372, 71.2826,
92.7301

 82.5853, 75.0706,
104.7451

Harmonies

Analogous

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



41.9686, 51.7254, 14.8652



33.9393, 51.7254, 24.1148



30.2042, 51.7254, 45.5887

Triad

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



33.9393, 51.7254, 24.1148



45.2577, 51.7254, 146.3227



73.4946, 51.7254, 37.2869

Complementary

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



33.9393, 51.7254, 24.1148



43.2313, 29.8613, 65.1160

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.



74.7500, 51.7254, 68.6159



33.9393, 51.7254, 24.1148



57.1368, 51.7254, 141.2155

Square

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



33.9393, 51.7254, 24.1148



36.0179, 51.7254, 121.0432



68.3706, 51.7254, 109.0227



65.1718, 51.7254, 20.1149

Rectangle

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



33.9393, 51.7254, 24.1148



30.1756, 51.7254, 67.8841



68.3706, 51.7254, 109.0227



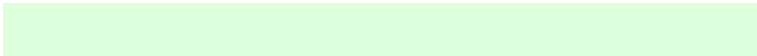
74.8025, 51.7254, 46.1502

Sweetspot

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



33.9406, 51.7276, 24.1160



78.4470, 92.0443, 80.8568



51.6234, 58.5061, 24.4924



16.3029, 19.4674, 16.4863



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.



33.9406, 51.7276, 24.1160



46.8629, 76.8879, 28.5153



36.2389, 52.5697, 39.7058



11.7119, 13.2349, 12.5493



14.1666, 28.1721, 4.6911



0.8124, 1.5856, 0.2632

Inverse Universe

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



43.2313, 29.8613, 65.1160



62.7834, 39.3396, 98.8920



40.0414, 28.7482, 40.9600



12.2481, 11.9767, 14.9099



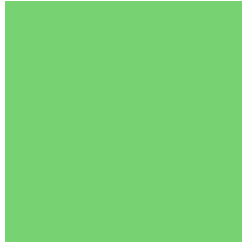
21.5188, 10.2737, 38.0413



1.2221, 0.5842, 2.1279

Previews

White Background



This preview shows how the XYZ color 33.9393, 51.7254, 24.1148 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 33.9393, 51.7254, 24.1148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

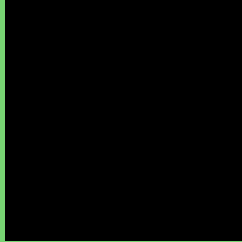
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9393, 51.7254, 24.1148

Background



This preview shows how black text looks on a background with the XYZ color 33.9393, 51.7254, 24.1148.

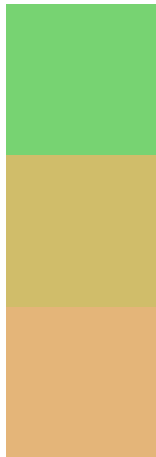


This preview shows how white text looks on a background with the XYZ color 33.9393, 51.7254,

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

33.9393, 51.7254, 24.1148

Protanopia

46.8115, 50.8457, 20.9826

Deuteranopia

51.9700, 50.9222, 25.1790



Tritanopia

43.4656, 51.2937, 72.5755

Trichromacy



Original Color

33.9393, 51.7254, 24.1148



Protanomaly

40.6311, 50.2667, 22.0290



Deuteranomaly

42.8587, 49.6986, 24.4734



Tritanomaly

39.0083, 50.8721, 50.4112

Monochromacy



Original Color

33.9393, 51.7254, 24.1148



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.2817, 44.1245, 35.8828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9393, 51.7254, 24.1148 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(119, 211, 114)` looks like.

```
.text, #text, p{  
    color:rgb(119, 211, 114)  
}
```

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(119, 211, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 211, 114) }
```

Border

The CSS property to change the border of an element to XYZ 33.9393, 51.7254, 24.1148 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(119, 211, 114) }
```


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

```
.border{ border-color:rgb(119, 211, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 211, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 211, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 211, 114);  
box-shadow:4px 4px 4px 4px rgb(119, 211,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9393, 51.7254, 24.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 211, 114) }
```

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

```
.background{ background-color: rgb(119,  
211, 114) }
```

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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