

Converting Colors

XYZ(33.4932, 55.1491, 21.8531)

Have a look what the booklet for
XYZ(33.4932, 55.1491, 21.8531)
contains.

XYZ(33.3474, 54.8952, 21.9349)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3474, 54.8952,
21.9349)**

Conversions

Conversions Part 1

Format	Color
Hex	64DC68
RGB	100, 220, 104
RGB Percent	39%, 86%, 41%
CMY	0.6078, 0.1372, 0.5921
CMYK	0.55, 0.00, 0.53, 0.14
HSL	122°, 63%, 63%
HSV	122°, 55%, 86%
XYZ	33.3474, 54.8952, 21.9349
YIQ	170.8960, -34.2840, -61.5160

Conversions

Conversions Part 2

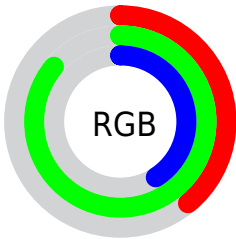
Format	Color
RYB	100, 216, 220
Decimal	6610024
CIELab	78.98, -56.75, 46.52
CIELCh	79, 73.378, 140.659
Yxy	54.8952, 0.3027, 0.4982
Android (android.graphics.Color)	4284800104 (0xFF64DC68)
YUV	170.8960, -32.9797, -62.1758
Hunter-Lab	74.0913, -49.3195, 34.3110

Details

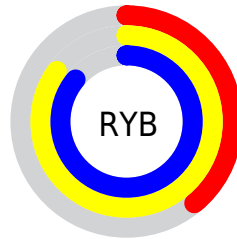
The XYZ color **33.3474, 54.8952, 21.9349** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **46.4686, 29.2887, 68.1711**, and the grayscale version is **38.8303, 40.8525, 44.4884**.

A 20% lighter version of the original color is **56.2296, 81.3596, 45.0881**, and **14.4020, 27.0601, 7.7129** is the 20% darker color. If you saturate the color by 10%, you get **30.2874, 53.4288, 16.8468**, and if you desaturate by 10%, it is **37.3394, 56.8138, 28.4907**.

Distribution



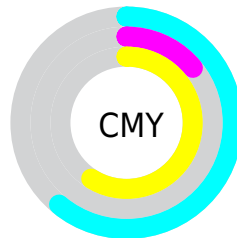
- Red (39%)
- Green (86%)
- Blue (41%)



- Red (39%)
- Yellow (85%)
- Blue (86%)



- Cyan (55%)
- Magenta (0%)
- Yellow (53%)
- Black (14%)





- Cyan (61%)
- Magenta (14%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3474, 54.8952, 21.9349 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 33.3474, 54.8952, 21.9349 by changing the saturation by 10% instead.


 33.3474, 54.8952,
21.9349


 33.3474, 54.8952,
21.9349


308.8496,
405.5145, 275.1485

 22.5532, 39.3178,
13.6112


 64.2686, 97.3874,
47.5392


 14.3828, 27.0071,
7.7151


 85.1263, 125.0710,
65.6569

 8.4709, 17.5785,
3.8281


 110.0692,
157.5588, 87.8763

 4.4520, 10.6478,
1.5315

 139.4627,
195.2352, 114.6160

 1.9609, 5.8305,
0.2412

173.6722,
238.4846, 146.2945

 0.6119, 2.7423,
0.0000

213.0629,

 0.0000, 0.9987,

287.6913, 183.3305

0.0000

258.0003,
343.2398, 226.1423

■ 0.0000, 0.0000,
0.0000

■ 33.3474, 54.8952,
21.9349

■ 33.3474, 54.8952,
21.9349

■ 30.2874, 53.4288,
16.8468

■ 37.3394, 56.8138,
28.4907

■ 28.0802, 52.3713,
13.1102

■ 42.3263, 59.2101,
36.6113

■ 26.6404, 51.6833,
10.5974

■ 48.3701, 62.1156,
46.3898

■ 25.8629, 51.3135,
9.1546

■ 55.5268, 65.5574,
57.9110

■ 25.6345, 51.2047,
8.7431

■ 63.8482, 69.5606,
71.2540

■ 73.3832, 74.1486,
86.4930

■ 84.1775, 79.3436,
103.6979

■ 84.8843, 79.6686,
105.5114

Harmonies

Analogous

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



42.8909, 54.8952, 11.7063



33.3474, 54.8952, 21.9349



29.1004, 54.8952, 47.6560

Triad

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



33.3474, 54.8952, 21.9349



47.7539, 54.8952, 179.2742



83.0759, 54.8952, 35.6694

Complementary

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



33.3474, 54.8952, 21.9349



46.4686, 29.2887, 68.1711

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.



85.0439, 54.8952, 73.7839



33.3474, 54.8952, 21.9349



62.7134, 54.8952, 170.8789

Square

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



33.3474, 54.8952, 21.9349



36.3354, 54.8952, 145.9332



77.0204, 54.8952, 126.5447



72.0586, 54.8952, 16.6781

Rectangle

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



33.3474, 54.8952, 21.9349



29.1765, 54.8952, 75.8990



77.0204, 54.8952, 126.5447



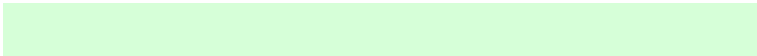
84.8888, 54.8952, 46.1076

Sweetspot

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



33.3487, 54.8975, 21.9361



75.8879, 90.7814, 78.1913



56.2147, 66.7083, 21.9699



15.7821, 19.2092, 15.9948



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.



33.3487, 54.8975, 21.9361



41.9593, 74.4784, 22.9380



37.5510, 56.5784, 44.0647



12.9040, 14.6132, 13.9576



15.0521, 30.0535, 5.1736



0.9815, 1.9495, 0.3685

Inverse Universe

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



46.4686, 29.2887, 68.1711



62.0058, 35.3155, 93.5574



40.0746, 26.7311, 34.5010



13.5946, 13.2670, 16.3926



24.3544, 11.7428, 37.8418



1.5838, 0.7632, 2.4832

Previews

White Background



This preview shows how the XYZ color 33.3474, 54.8952, 21.9349 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 33.3474, 54.8952, 21.9349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

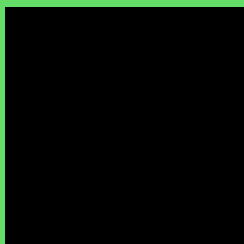
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3474, 54.8952, 21.9349

Background



This preview shows how black text looks on a background with the XYZ color 33.3474, 54.8952, 21.9349.

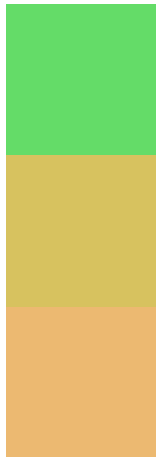


This preview shows how white text looks on a background with the XYZ color 33.3474, 54.8952,

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

33.3474, 54.8952, 21.9349

Protanopia

49.3817, 53.8569, 18.6192

Deuteranopia

54.9217, 53.7230, 23.0977



Tritanopia

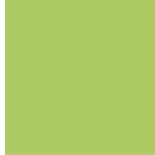
44.5198, 54.5195, 78.6979

Trichromacy



Original Color

33.3474, 54.8952, 21.9349



Protanomaly

40.7941, 52.4780, 19.5345



Deuteranomaly

43.5021, 52.0788, 22.5113



Tritanomaly

39.1178, 54.1642, 51.5730

Monochromacy



Original Color

33.3474, 54.8952, 21.9349



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.1411, 44.5215, 34.3451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3474, 54.8952, 21.9349 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(100, 220, 104)` looks like.

```
.text, #text, p{  
    color:rgb(100, 220, 104)  
}
```

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(100, 220, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 220, 104) }
```

Border

The CSS property to change the border of an element to XYZ 33.3474, 54.8952, 21.9349 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(100, 220, 104) }
```


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

```
.border{ border-color:rgb(100, 220, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 220, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 220, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 220, 104); box-shadow:4px 4px 4px 4px rgb(100, 220, 104) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3474, 54.8952, 21.9349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 220, 104) }
```

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

```
.background{ background-color: rgb(100,  
220, 104) }
```

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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