

Converting Colors

XYZ(33.4391, 50.8651, 31.9298)

Have a look what the booklet for
XYZ(33.4391, 50.8651, 31.9298)
contains.

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Color

**XYZ(33.4597, 50.9314,
32.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	69D28A
RGB	105, 210, 138
RGB Percent	41%, 82%, 54%
CMY	0.5882, 0.1765, 0.4588
CMYK	0.50, 0.00, 0.34, 0.18
HSL	139°, 54%, 62%
HSV	139°, 50%, 82%
XYZ	33.4597, 50.9314, 32.1120
YIQ	170.3970, -39.4680, -44.6520

Conversions

Conversions Part 2

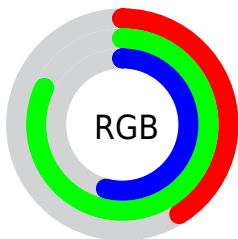
Format	Color
RYB	105, 185, 210
Decimal	6935178
CIELab	76.64, -46.25, 26.59
CIELCh	77, 53.353, 150.104
Yxy	50.9314, 0.2872, 0.4372
Android (android.graphics.Color)	4285125258 (0xFF69D28A)
YUV	170.3970, -15.9717, -57.3532
Hunter-Lab	71.3662, -41.2021, 23.2782

Details

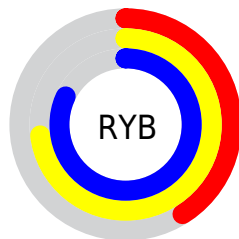
The XYZ color **33.4597, 50.9314, 32.1120** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.5673, 26.9801, 44.7188**, and the grayscale version is **38.4991, 40.5041, 44.1089**.

A 20% lighter version of the original color is **60.1747, 83.0072, 62.7196**, and **14.4804, 24.6663, 13.0147** is the 20% darker color. If you saturate the color by 10%, you get **30.3168, 49.4252, 26.8792**, and if you desaturate by 10%, it is **37.3525, 52.8111, 38.1037**.

Distribution



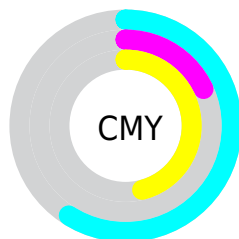
- Red (41%)
- Green (82%)
- Blue (54%)



- Red (41%)
- Yellow (73%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (34%)
- Black (18%)



- Cyan (59%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4597, 50.9314, 32.1120 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 33.4597, 50.9314, 32.1120 by changing the saturation by 10% instead.


 33.4597, 50.9314,
32.1120


 33.4597, 50.9314,
32.1120


309.3446,
390.2972, 326.1376


 22.6398, 36.1540,
21.1815


 64.4425, 91.5534,
64.0866

 14.4470, 24.5532,
13.0642


 85.3360, 118.1667,
85.9678

 8.5160, 15.7445,
7.3415


 110.3181,
149.4942, 112.3363

 4.4814, 9.3435,
3.5949

 139.7541,
185.9202, 143.6106

 1.9779, 4.9659,
1.4059

174.0094,
227.8291, 180.2094

 0.6215, 2.2273,
0.1463

213.4494,

 0.0000, 0.7348,

275.6053, 222.5511

0.0000

258.4393,
329.6332, 271.0543

■ 0.0000, 0.0000,
0.0000

■ 33.4597, 50.9314,
32.1120

■ 33.4597, 50.9314,
32.1120

■ 30.3168, 49.4252,
26.8792

■ 37.3525, 52.8111,
38.1037

■ 27.8687, 48.2604,
22.3713

■ 42.0374, 55.0811,
44.8798

■ 26.0589, 47.4100,
18.5568

■ 47.5579, 57.7648,
52.4685

■ 24.8197, 46.8397,
15.4002

■ 53.9532, 60.8818,
60.8958

■ 24.0310, 46.4885,
12.8611

■ 61.2601, 64.4506,
70.1865

■ 69.5131, 68.4884,
80.3643

■ 78.7450, 73.0117,
91.4520

■ 82.0497, 74.4600,
103.1469

■ 82.3376, 74.5751,
104.6625

Harmonies

Analogous

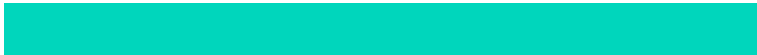
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.3137, 50.9314, 19.9333



33.4597, 50.9314, 32.1120



31.4814, 50.9314, 55.5563

Triad

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



33.4597, 50.9314, 32.1120



48.4439, 50.9314, 131.6599



67.2114, 50.9314, 31.9911

Complementary

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



33.4597, 50.9314, 32.1120



39.5673, 26.9801, 44.7188

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.



70.5217, 50.9314, 55.3551



33.4597, 50.9314, 32.1120



58.8084, 50.9314, 118.7655

Square

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



33.4597, 50.9314, 32.1120



39.3667, 50.9314, 118.9328



67.2551, 50.9314, 88.0231



58.7391, 50.9314, 19.8825

Rectangle

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



33.4597, 50.9314, 32.1120



32.3772, 50.9314, 76.8346



67.2551, 50.9314, 88.0231



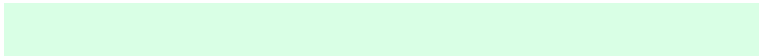
69.0132, 50.9314, 38.4631

Sweetspot

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



33.4610, 50.9335, 32.1132



78.4120, 91.8778, 87.5630



44.0732, 56.6397, 21.9746



16.3385, 19.4489, 18.1530



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.



33.4610, 50.9335, 32.1132



46.7514, 76.5496, 41.2019



38.0591, 52.7727, 56.3263



11.8072, 13.2666, 13.3410



14.6983, 28.3722, 8.0571



0.8575, 1.6007, 0.6386

Inverse Universe

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



39.5673, 26.9801, 44.7188



57.2434, 35.2635, 62.7660



35.3972, 25.3120, 22.7594



12.1461, 11.9432, 14.0450



19.3303, 9.6050, 17.1774



1.1158, 0.5510, 1.1447

Previews

White Background



This preview shows how the XYZ color 33.4597, 50.9314, 32.1120 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 33.4597, 50.9314, 32.1120 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 33.4597, 50.9314, 32.1120

Background



This preview shows how black text looks on a background with the XYZ color 33.4597, 50.9314, 32.1120.

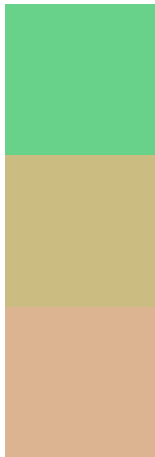


This preview shows how white text looks on a background with the XYZ color 33.4597, 50.9314,

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

33.4597, 50.9314, 32.1120

Protanopia

46.5743, 50.2479, 28.0130

Deuteranopia

50.9473, 49.9025, 33.7350



Tritanopia

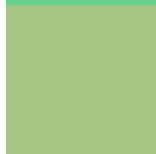
41.3611, 50.5515, 72.5432

Trichromacy



Original Color

33.4597, 50.9314, 32.1120



Protanomaly

39.8411, 49.3613, 29.2576



Deuteranomaly

41.8734, 48.6796, 32.7803



Tritanomaly

38.0061, 50.5985, 55.3403

Monochromacy



Original Color

33.4597, 50.9314, 32.1120



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.3746, 43.2775, 38.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4597, 50.9314, 32.1120 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(105, 210, 138)` looks like.

```
.text, #text, p{  
    color:rgb(105, 210, 138)  
}
```

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(105, 210, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 210, 138) }
```

Border

The CSS property to change the border of an element to XYZ 33.4597, 50.9314, 32.1120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

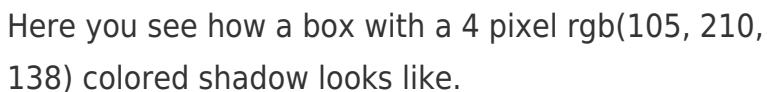
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 210, 138) }
```


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

```
.border{ border-color:rgb(105, 210, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 210, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 210, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 210, 138); box-shadow:4px 4px 4px 4px rgb(105, 210, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4597, 50.9314, 32.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 210, 138) }
```

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

```
.background{ background-color: rgb(105,  
210, 138) }
```

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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