

Converting Colors

XYZ(32.9197, 46.4398, 45.7568)

Have a look what the booklet for
XYZ(32.9197, 46.4398, 45.7568)
contains.

XYZ(32.9197, 46.4398, 45.7568)	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(32.9197, 46.4398,
45.7568)**

Conversions

Conversions Part 1

Format	Color
Hex	63C7AB
RGB	99, 199, 171
RGB Percent	39%, 78%, 67%
CMY	0.6118, 0.2196, 0.3294
CMYK	0.50, 0.00, 0.14, 0.22
HSL	163°, 47%, 58%
HSV	163°, 50%, 78%
XYZ	32.9197, 46.4398, 45.7568
YIQ	165.9080, -50.6120, -29.9080

Conversions

Conversions Part 2

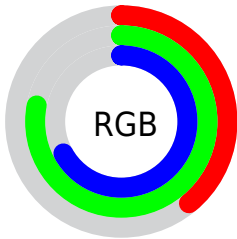
Format	Color
RYB	99, 157, 199
Decimal	6539179
CIELab	73.83, -36.06, 5.07
CIElCh	74, 36.417, 171.992
Yxy	46.4398, 0.2631, 0.3712
Android (android.graphics.Color)	4284729259 (0xFF63C7AB)
YUV	165.9080, 2.5104, -58.6783
Hunter-Lab	68.1468, -33.0287, 7.8928

Details

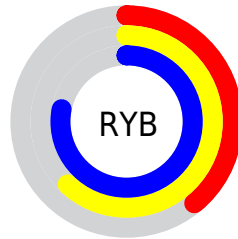
The XYZ color **32.9197, 46.4398, 45.7568** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.8474, 22.5993, 22.7640**, and the grayscale version is **36.2079, 38.0936, 41.4839**.

A 20% lighter version of the original color is **63.1978, 84.0789, 84.8495**, and **14.0660, 21.6717, 20.8945** is the 20% darker color. If you saturate the color by 10%, you get **30.4879, 45.2474, 42.9292**, and if you desaturate by 10%, it is **35.9121, 47.9210, 48.7296**.

Distribution



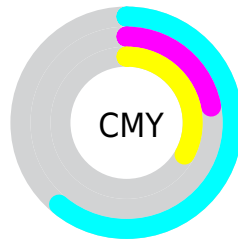
- Red (39%)
- Green (78%)
- Blue (67%)



- Red (39%)
- Yellow (62%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9197, 46.4398, 45.7568 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 32.9197, 46.4398, 45.7568 by changing the saturation by 10% instead.


 32.9197, 46.4398,
45.7568


 32.9197, 46.4398,
45.7568


306.9591,
372.5740, 386.0792


 22.2239, 32.5930,
31.7067


 63.6057, 84.8768,
85.1854


 14.1390, 21.8149,
20.8746


 84.3265, 110.2358,
111.4009

 8.2998, 13.7209,
12.8420


 109.1197,
140.2011, 142.5086

 4.3408, 7.9268,
7.1904

 138.3507,
175.1569, 178.9270

 1.8967, 4.0482,
3.5012

172.3848,
215.4877, 221.0748

 0.5749, 1.7005,
1.3559

211.5873,

 0.0000, 0.4240,

261.5779, 269.3704

0.1070

256.3236,
313.8118, 324.2323

■ 0.0000, 0.0000,
0.0000

■ 32.9197, 46.4398,
45.7568

■ 32.9197, 46.4398,
45.7568

■ 30.4879, 45.2474,
42.9292

■ 35.9121, 47.9210,
48.7296

■ 28.5725, 44.3175,
40.2402

■ 39.4976, 49.7040,
51.8475

■ 27.1289, 43.6283,
37.6873

■ 43.7105, 51.8079,
55.1144

■ 26.1025, 43.1517,
35.2666

■ 48.5815, 54.2484,
58.5332

■ 25.4033, 42.8401,
33.0276

■ 54.1392, 57.0402,
62.1064

■ 60.4105, 60.1971,
65.8368

■ 67.4208, 63.7322,
69.7266

■ 74.0048, 67.0447,
73.7228

■ 74.7359, 67.3372,
77.5725

Harmonies

Analogous

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



35.0358, 46.4398, 31.6279



32.9197, 46.4398, 45.7568



33.5693, 46.4398, 65.1324

Triad

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



32.9197, 46.4398, 45.7568



48.9696, 46.4398, 91.3729



52.2615, 46.4398, 27.3463

Complementary

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



32.9197, 46.4398, 45.7568



31.8474, 22.5993, 22.7640

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.



56.7242, 46.4398, 38.3498



32.9197, 46.4398, 45.7568



54.6979, 46.4398, 75.8624

Square

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



32.9197, 46.4398, 45.7568



42.4272, 46.4398, 94.7479



57.6568, 46.4398, 55.6989



45.8976, 46.4398, 22.8302

Rectangle

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



32.9197, 46.4398, 45.7568



35.5150, 46.4398, 78.3786



57.6568, 46.4398, 55.6989



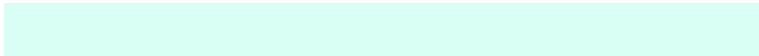
54.0584, 46.4398, 30.2591

Sweetspot

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



32.9210, 46.4416, 45.7579



80.6741, 92.7827, 99.4753



31.4791, 46.2873, 19.0804



16.8828, 19.6666, 21.0190



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.



32.9210, 46.4416, 45.7579



53.1430, 79.1062, 74.8594



31.2439, 38.3540, 59.7913



10.8151, 12.0149, 12.9767



16.3732, 27.5616, 21.4414



0.8050, 1.3169, 1.1718

Inverse Universe

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



31.8474, 22.5993, 22.7640



51.0901, 32.8022, 30.3633



32.6037, 26.6381, 15.2284



10.7539, 10.6849, 11.6874



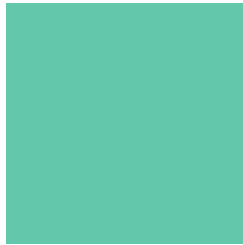
15.6325, 8.0026, 3.2745



0.7719, 0.3916, 0.3220

Previews

White Background



This preview shows how the XYZ color 32.9197, 46.4398, 45.7568 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 32.9197, 46.4398, 45.7568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

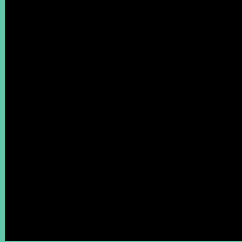
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9197, 46.4398, 45.7568

Background



This preview shows how black text looks on a background with the XYZ color 32.9197, 46.4398, 45.7568.



This preview shows how white text looks on a background with the XYZ color 32.9197, 46.4398,

45.7568.

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

32.9197, 46.4398, 45.7568

Protanopia

43.4933, 45.9071, 40.2868

Deuteranopia

46.5257, 45.5488, 47.4139



Tritanopia

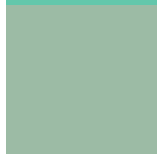
37.2308, 46.5020, 67.3351

Trichromacy



Original Color

32.9197, 46.4398, 45.7568



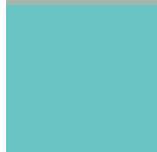
Protanomaly

38.2722, 45.3252, 42.3288



Deuteranomaly

39.6777, 44.7095, 46.5830



Tritanomaly

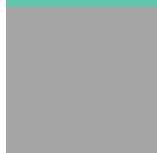
35.5341, 46.4842, 58.7293

Monochromacy



Original Color

32.9197, 46.4398, 45.7568



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.1436, 40.4187, 43.0478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9197, 46.4398, 45.7568 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(99, 199, 171)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 171)  
}
```

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(99, 199, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.9197, 46.4398, 45.7568 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(99, 199, 171) }
```


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

```
.border{ border-color:rgb(99, 199, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 171);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9197, 46.4398, 45.7568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 171) }
```

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

```
.background{ background-color: rgb(99, 199,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor