

Converting Colors

XYZ(29.3501, 46.5109, 38.0024)

Have a look what the booklet for
XYZ(29.3501, 46.5109, 38.0024)
contains.

XYZ(29.3501, 46.5109, 38.0024)	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(29.3501, 46.5109,
38.0024)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCC9A
RGB	61, 204, 154
RGB Percent	24%, 80%, 60%
CMY	0.7608, 0.2000, 0.3961
CMYK	0.70, 0.00, 0.25, 0.20
HSL	159°, 58%, 52%
HSV	159°, 70%, 80%
XYZ	29.3501, 46.5109, 38.0024
YIQ	155.5430, -69.1780, -45.8660

Conversions

Conversions Part 2

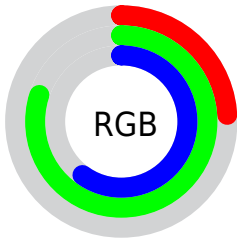
Format	Color
RYB	61, 148, 204
Decimal	4050074
CIELab	73.88, -49.44, 14.14
CIELCh	74, 51.423, 164.035
Yxy	46.5109, 0.2578, 0.4085
Android (android.graphics.Color)	4282240154 (0xFF3DCC9A)
YUV	155.5430, -0.7607, -82.9142
Hunter-Lab	68.1989, -42.5288, 14.7011

Details

The XYZ color **29.3501, 46.5109, 38.0024** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.4415, 17.3238, 16.8332**, and the grayscale version is **31.4231, 33.0596, 36.0019**.

A 20% lighter version of the original color is **55.7494, 80.5097, 72.2761**, and **13.1956, 22.4742, 16.4744** is the 20% darker color. If you saturate the color by 10%, you get **27.7486, 45.7531, 34.9184**, and if you desaturate by 10%, it is **31.4668, 47.5326, 41.2969**.

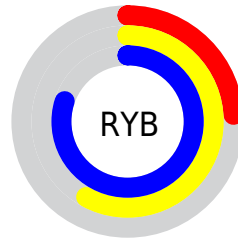
Distribution



Red (24%)

Green (80%)

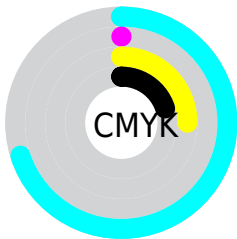
Blue (60%)



Red (24%)

Yellow (58%)

Blue (80%)

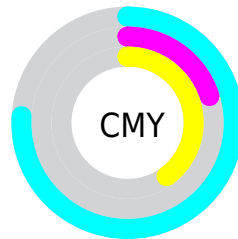


Cyan (70%)

Magenta (0%)

Yellow (25%)

Black (20%)



Cyan (76%)


Magenta (20%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3501, 46.5109, 38.0024 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 29.3501, 46.5109, 38.0024 by changing the saturation by 10% instead.


 29.3501, 46.5109,
38.0024


 29.3501, 46.5109,
38.0024


290.8278,
372.8588, 352.9288


 19.4914, 32.6492,
25.6827


 58.0266, 84.9831,
73.3153


 12.1320, 21.8578,
16.3628


 77.5751, 110.3623,
97.1455


 6.9065, 13.7525,
9.6241


 101.0843,
140.3495, 125.6498

 3.4495, 7.9487,
5.0481

 128.9195,
175.3291, 159.2464

 1.3957, 4.0621,
2.2163

 161.4461,
215.6854, 198.3541

 0.2531, 1.7084,
0.6837

199.0295,

 0.0000, 0.4291,

261.8029, 243.3914

0.0000

242.0349,
314.0659, 294.7768

■ 0.0000, 0.0000,
0.0000

■ 29.3501, 46.5109,
38.0024

■ 29.3501, 46.5109,
38.0024

■ 27.7486, 45.7531,
34.9184

■ 31.4668, 47.5326,
41.2969

■ 26.6004, 45.2238,
32.0357

■ 34.1442, 48.8380,
44.8041

■ 25.8045, 44.8717,
29.3720

■ 37.4264, 50.4510,
48.5300

■ 41.3524, 52.3915,
52.4795

■ 45.9575, 54.6778,
56.6571

■ 51.2746, 57.3268,
61.0670

■ 57.3342, 60.3541,
65.7136

■ 64.1652, 63.7745,
70.6008

■ 71.7948, 67.6020,
75.7327

Harmonies

Analogous

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



33.0649, 46.5109, 22.3563



29.3501, 46.5109, 38.0024



29.2334, 46.5109, 63.8797

Triad

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



29.3501, 46.5109, 38.0024



48.6154, 46.5109, 116.9915



58.1093, 46.5109, 23.0598

Complementary

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



29.3501, 46.5109, 38.0024



29.4415, 17.3238, 16.8332

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.



63.5797, 46.5109, 39.3732



29.3501, 46.5109, 38.0024



57.6076, 46.5109, 96.2231

Square

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



29.3501, 46.5109, 38.0024



39.5398, 46.5109, 116.2250



63.3843, 46.5109, 65.8140



49.2282, 46.5109, 15.9904

Rectangle

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



29.3501, 46.5109, 38.0024



31.1646, 46.5109, 84.4266



63.3843, 46.5109, 65.8140



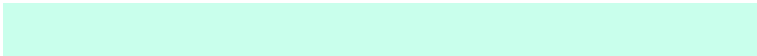
60.4594, 46.5109, 27.3407

Sweetspot

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



29.3514, 46.5127, 38.0035



75.1489, 90.0721, 92.9916



28.9986, 46.9074, 11.9413



15.6117, 19.0439, 19.4843



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.



29.3514, 46.5127, 38.0035



44.9150, 75.2867, 55.3986



29.6659, 39.0352, 63.0998



11.3702, 12.6578, 13.5068



16.2866, 28.2599, 18.7259



0.8753, 1.4719, 1.1506

Inverse Universe

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



29.4415, 17.3238, 16.8332



45.1609, 24.0860, 18.7001



28.7970, 19.2783, 6.6190



11.3716, 11.2774, 12.4915



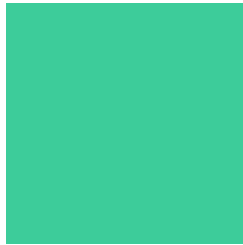
16.4362, 8.3851, 4.7495



0.8837, 0.4469, 0.4332

Previews

White Background



This preview shows how the XYZ color 29.3501, 46.5109, 38.0024 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 29.3501, 46.5109, 38.0024 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

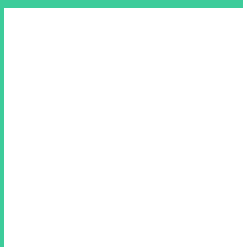
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3501, 46.5109, 38.0024

Background



This preview shows how black text looks on a background with the XYZ color 29.3501, 46.5109, 38.0024.

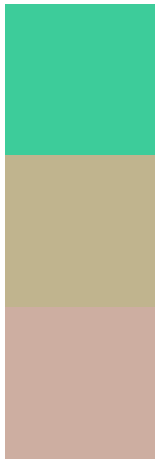


This preview shows how white text looks on a background with the XYZ color 29.3501, 46.5109,

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

29.3501, 46.5109, 38.0024

Protanopia

42.9420, 45.8020, 32.1686

Deuteranopia

46.7459, 45.8244, 40.0994



Tritanopia

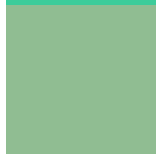
35.4613, 46.2118, 69.3381

Trichromacy



Original Color

29.3501, 46.5109, 38.0024



Protanomaly

34.8875, 44.3998, 33.9254



Deuteranomaly

36.6574, 43.9389, 38.8967



Tritanomaly

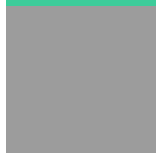
32.8880, 46.1862, 56.4717

Monochromacy



Original Color

29.3501, 46.5109, 38.0024



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.7451, 36.3186, 36.5055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3501, 46.5109, 38.0024 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(61, 204, 154)` looks like.

```
.text, #text, p{  
    color:rgb(61, 204, 154)  
}
```

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(61, 204, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.3501, 46.5109, 38.0024 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(61, 204, 154) }
```


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

```
.border{ border-color:rgb(61, 204, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 204, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 154);  
box-shadow:4px 4px 4px 4px rgb(61, 204,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3501, 46.5109, 38.0024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 154) }
```

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

```
.background{ background-color: rgb(61, 204,  
154) }
```

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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