

Converting Colors

XYZ(31.5692, 46.9117, 45.1006)

Have a look what the booklet for
XYZ(31.5692, 46.9117, 45.1006)
contains.

XYZ(31.4238, 46.7253, 44.8988)	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(31.4238, 46.7253,
44.8988)**

Conversions

Conversions Part 1

Format	Color
Hex	4ECAA9
RGB	78, 202, 169
RGB Percent	31%, 79%, 66%
CMY	0.6941, 0.2078, 0.3372
CMYK	0.61, 0.00, 0.16, 0.21
HSL	164°, 54%, 55%
HSV	164°, 61%, 79%
XYZ	31.4238, 46.7253, 44.8988
YIQ	161.1620, -63.3110, -36.5510

Conversions

Conversions Part 2

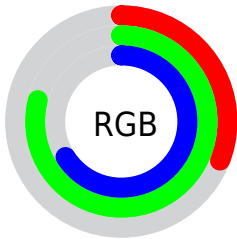
Format	Color
RYB	78, 150, 202
Decimal	5163689
CIELab	74.01, -42.26, 6.33
CIElCh	74, 42.727, 171.477
Yxy	46.7253, 0.2554, 0.3797
Android (android.graphics.Color)	4283353769 (0xFF4ECAA9)
YUV	161.1620, 3.8641, -72.9331
Hunter-Lab	68.3559, -37.5648, 8.9052

Details

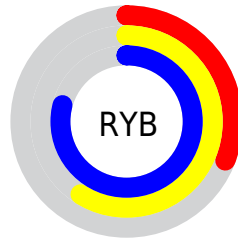
The XYZ color **31.4238, 46.7253, 44.8988** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.9522, 19.1542, 17.1590**, and the grayscale version is **33.9564, 35.7248, 38.9043**.

A 20% lighter version of the original color is **59.8620, 82.3908, 83.2690**, and **13.6446, 22.1518, 20.3862** is the 20% darker color. If you saturate the color by 10%, you get **29.5219, 45.8031, 42.2298**, and if you desaturate by 10%, it is **33.8573, 47.9214, 47.7031**.

Distribution



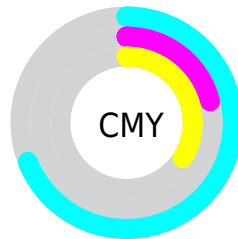
- Red (31%)
- Green (79%)
- Blue (66%)



- Red (31%)
- Yellow (59%)
- Blue (79%)



- Cyan (61%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)





- Cyan (69%)
- Magenta (21%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4238, 46.7253, 44.8988 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 31.4238, 46.7253, 44.8988 by changing the saturation by 10% instead.


 31.4238, 46.7253,
44.8988


 31.4238, 46.7253,
44.8988


300.2782,
373.7170, 382.5117


 21.0752, 32.8185,
31.0354


 61.2780, 85.3034,
83.8854


 13.2917, 21.9875,
20.3671


 81.5143, 110.7436,
109.8456

 7.7081, 13.8477,
12.4754


 105.7772,
140.7970, 140.6751

 3.9590, 8.0148,
6.9419

 134.4321,
175.8481, 176.7925

 1.6790, 4.1044,
3.3479

167.8442,
216.2813, 218.6163

 0.4430, 1.7321,
1.2749

206.3791,

 0.0000, 0.4443,

262.4809, 266.5651

0.0411

250.4019,
314.8313, 321.0574

■ 0.0000, 0.0000,
0.0000

■ 31.4238, 46.7253,
44.8988

■ 31.4238, 46.7253,
44.8988

■ 29.5219, 45.8031,
42.2298

■ 33.8573, 47.9214,
47.7031

■ 28.0991, 45.1244,
39.6893

■ 36.8608, 49.4078,
50.6427

■ 27.0990, 44.6613,
37.2743

■ 40.4736, 51.2059,
53.7216

■ 26.4858, 44.3884,
35.2891

■ 44.7305, 53.3336,
56.9428

■ 49.6634, 55.8072,
60.3089

■ 55.3023, 58.6422,
63.8224

■ 61.6750, 61.8529,
67.4860

■ 68.8081, 65.4531,
71.3019

■ 74.9362, 68.5326,
75.1887

Harmonies

Analogous

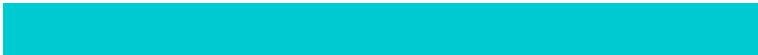
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.8927, 46.7253, 28.9357



31.4238, 46.7253, 44.8988



32.1090, 46.7253, 67.8632

Triad

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



31.4238, 46.7253, 44.8988



50.0023, 46.7253, 100.8514



54.1904, 46.7253, 24.5739

Complementary

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



31.4238, 46.7253, 44.8988



29.9522, 19.1542, 17.1590

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.



59.5113, 46.7253, 36.9900



31.4238, 46.7253, 44.8988



56.9072, 46.7253, 81.7914

Square

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



31.4238, 46.7253, 44.8988



42.2717, 46.7253, 104.7729



60.5587, 46.7253, 57.3612



46.6212, 46.7253, 19.6076

Rectangle

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



31.4238, 46.7253, 44.8988



34.3003, 46.7253, 84.0895



60.5587, 46.7253, 57.3612



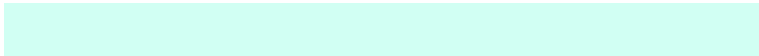
56.3356, 46.7253, 27.8117

Sweetspot

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



31.4251, 46.7271, 44.8999



78.2279, 91.5479, 98.1706



29.0610, 46.1768, 14.5898



16.2413, 19.3432, 20.6579



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.



31.4251, 46.7271, 44.8999



49.0198, 77.0858, 69.9130



28.7603, 35.7983, 61.2732



11.4108, 12.6741, 13.7210



17.0812, 28.5778, 22.9103



0.9116, 1.4864, 1.3419

Inverse Universe

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



29.9522, 19.1542, 17.1590



46.3886, 26.4647, 19.3457



30.9844, 23.6094, 10.1325



11.3329, 11.2619, 12.2876



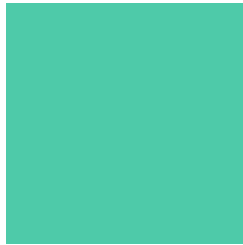
16.1303, 8.2627, 3.1388



0.8644, 0.4391, 0.3315

Previews

White Background



This preview shows how the XYZ color 31.4238, 46.7253, 44.8988 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 31.4238, 46.7253, 44.8988 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

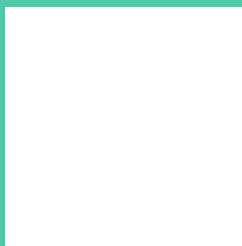
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4238, 46.7253, 44.8988

Background



This preview shows how black text looks on a background with the XYZ color 31.4238, 46.7253, 44.8988.



This preview shows how white text looks on a background with the XYZ color 31.4238, 46.7253,

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

31.4238, 46.7253, 44.8988

Protanopia

43.4791, 45.9300, 38.9215

Deuteranopia

46.8873, 46.0344, 46.9718



Tritanopia

36.2397, 46.6130, 69.3745

Trichromacy



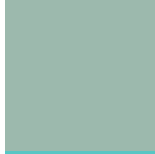
Original Color

31.4238, 46.7253, 44.8988



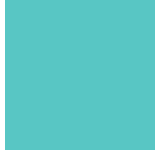
Protanomaly

36.8992, 44.9646, 40.9167



Deuteranomaly

38.6021, 44.7830, 46.1446



Tritanomaly

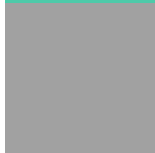
34.1824, 46.4484, 59.3884

Monochromacy



Original Color

31.4238, 46.7253, 44.8988



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.5862, 38.5563, 40.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4238, 46.7253, 44.8988 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(78, 202, 169)` looks like.

```
.text, #text, p{  
    color:rgb(78, 202, 169)  
}
```

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(78, 202, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 202, 169) }
```

Border

The CSS property to change the border of an element to XYZ 31.4238, 46.7253, 44.8988 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(78, 202, 169) }
```


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

```
.border{ border-color:rgb(78, 202, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 202, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 202, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 202, 169);  
box-shadow:4px 4px 4px 4px rgb(78, 202,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4238, 46.7253, 44.8988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 202, 169) }
```

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

```
.background{ background-color: rgb(78, 202,  
169) }
```

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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