

Converting Colors

XYZ(29.1866, 48.4657, 34.8943)

Have a look what the booklet for
XYZ(29.1866, 48.4657, 34.8943)
contains.

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Color

**XYZ(29.1155, 48.2571,
34.9741)**

Conversions

Conversions Part 1

Format	Color
Hex	2ED192
RGB	46, 209, 146
RGB Percent	18%, 82%, 57%
CMY	0.8196, 0.1804, 0.4274
CMYK	0.78, 0.00, 0.30, 0.18
HSL	157°, 64%, 50%
HSV	157°, 78%, 82%
XYZ	29.1155, 48.2571, 34.9741
YIQ	153.0810, -76.9250, -54.1490

Conversions

Conversions Part 2

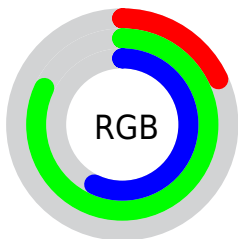
Format	Color
RYB	46, 147, 209
Decimal	3068306
CIELab	74.99, -55.13, 19.90
CIELCh	75, 58.614, 160.149
Yxy	48.2571, 0.2592, 0.4295
Android (android.graphics.Color)	4281258386 (0xFF2ED192)
YUV	153.0810, -3.4909, -93.9100
Hunter-Lab	69.4673, -46.7540, 18.7769

Details

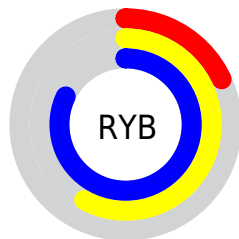
The XYZ color **29.1155, 48.2571, 34.9741** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.0335, 16.6146, 16.0943**, and the grayscale version is **30.3537, 31.9345, 34.7766**.

A 20% lighter version of the original color is **53.6565, 79.5417, 67.1687**, and **13.4568, 23.6087, 14.6742** is the 20% darker color. If you saturate the color by 10%, you get **27.7868, 47.6434, 31.7473**, and if you desaturate by 10%, it is **30.9491, 49.1284, 38.4585**.

Distribution



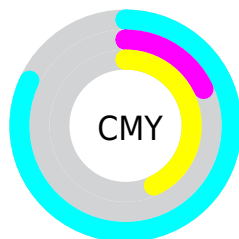
- Red (18%)
- Green (82%)
- Blue (57%)



- Red (18%)
- Yellow (58%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (30%)
- Black (18%)





- Cyan (82%)
- Magenta (18%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1155, 48.2571, 34.9741 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 29.1155, 48.2571, 34.9741 by changing the saturation by 10% instead.


 29.1155, 48.2571,
34.9741


 29.1155, 48.2571,
34.9741


289.7439,
379.8103, 339.3548


 19.3129, 34.0305,
23.3595


 57.6568, 87.5871,
68.5968


 12.0020, 22.9171,
14.6514


 77.1263, 113.4593,
91.4419


 6.8172, 14.5323,
8.4312


 100.5488,
143.9821, 118.8677

 3.3934, 8.4918,
4.2804

 128.2897,
179.5401, 151.2927

 1.3650, 4.4112,
1.7804

 160.7142,
220.5175, 189.1353

 0.2311, 1.9061,
0.4150

198.1879,

 0.0000, 0.5521,

267.2987, 232.8142

0.0000

241.0760,
320.2682, 282.7478

■ 0.0000, 0.0000,
0.0000

■ 29.1155, 48.2571,
34.9741

■ 29.1155, 48.2571,
34.9741

■ 27.7868, 47.6434,
31.7473

■ 30.9491, 49.1284,
38.4585

■ 26.8728, 47.2373,
28.7660


■ 33.3433, 50.2822,
42.2045


■ 26.7121, 47.1669,
28.1942


■ 36.3502, 51.7466,
46.2201


■ 40.0148, 53.5446,
50.5119

■ 44.3776, 55.6969,
55.0859

 49.4758, 58.2228,
59.9480

 55.3439, 61.1399,
65.1038

 62.0140, 64.4646,
70.5589

 69.5167, 68.2127,
76.3185

Harmonies

Analogous

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



33.8437, 48.2571, 19.1580



29.1155, 48.2571, 34.9741



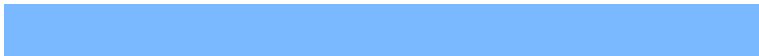
28.4556, 48.2571, 63.6203

Triad

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



29.1155, 48.2571, 34.9741



49.5870, 48.2571, 134.4563



63.4504, 48.2571, 22.9823

Complementary

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



29.1155, 48.2571, 34.9741



30.0335, 16.6146, 16.0943

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.



69.2345, 48.2571, 42.8338



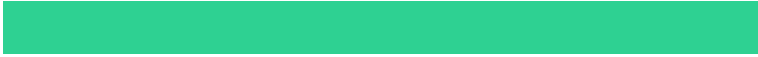
29.1155, 48.2571, 34.9741



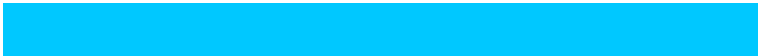
60.4458, 48.2571, 111.6442

Square

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



29.1155, 48.2571, 34.9741



39.2320, 48.2571, 129.6905



68.0567, 48.2571, 75.1885



53.2107, 48.2571, 14.3344

Rectangle

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



29.1155, 48.2571, 34.9741



30.2830, 48.2571, 88.0234



68.0567, 48.2571, 75.1885



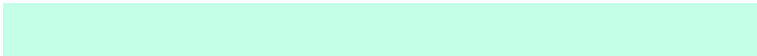
66.0473, 48.2571, 28.1666

Sweetspot

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



29.1168, 48.2590, 34.9752



73.2286, 89.1478, 89.9381



29.8760, 49.1928, 10.5060



15.0681, 18.7814, 18.6616



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.



29.1168, 48.2590, 34.9752



42.5148, 74.2452, 46.4363



31.6406, 43.1937, 66.9935



11.9567, 13.3264, 14.1282



16.5188, 29.1004, 17.6438



0.9618, 1.6424, 1.1877

Inverse Universe

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



30.0335, 16.6146, 16.0943



44.1191, 22.6918, 16.2277



28.5281, 17.2318, 4.4079



11.9952, 11.8828, 13.2504



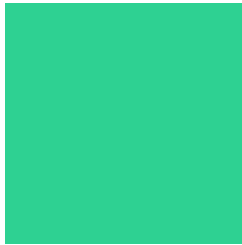
17.1680, 8.7400, 5.7910



0.9983, 0.5040, 0.5259

Previews

White Background



This preview shows how the XYZ color 29.1155, 48.2571, 34.9741 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 29.1155, 48.2571, 34.9741 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

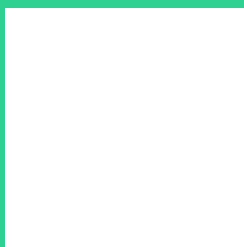
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1155, 48.2571, 34.9741

Background



This preview shows how black text looks on a background with the XYZ color 29.1155, 48.2571, 34.9741.



This preview shows how white text looks on a background with the XYZ color 29.1155, 48.2571,

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

29.1155, 48.2571, 34.9741

Protanopia

44.2625, 47.4585, 29.3818

Deuteranopia

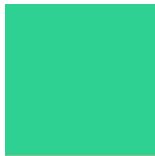
48.1391, 47.1995, 36.7102



Tritanopia

36.5286, 48.0603, 72.3170

Trichromacy



Original Color

29.1155, 48.2571, 34.9741



Protanomaly

34.5924, 45.2850, 30.9624



Deuteranomaly

36.2507, 44.7478, 35.5807



Tritanomaly

33.2141, 47.7387, 56.7541

Monochromacy



Original Color

29.1155, 48.2571, 34.9741



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.3880, 35.6666, 34.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1155, 48.2571, 34.9741 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(46, 209, 146)` looks like.

```
.text, #text, p{  
    color:rgb(46, 209, 146)  
}
```

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(46, 209, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 209, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.1155, 48.2571, 34.9741 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(46, 209, 146) }
```


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

```
.border{ border-color:rgb(46, 209, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 209, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 209, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 209, 146);  
box-shadow:4px 4px 4px 4px rgb(46, 209,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1155, 48.2571, 34.9741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 209, 146) }
```

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

```
.background{ background-color: rgb(46, 209,  
146) }
```

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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