

Converting Colors

XYZ(29.3892, 43.6026, 19.8905)

Have a look what the booklet for
XYZ(29.3892, 43.6026, 19.8905)
contains.

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Color

**XYZ(29.3982, 43.5050,
19.9446)**

Conversions

Conversions Part 1

Format	Color
Hex	77C268
RGB	119, 194, 104
RGB Percent	47%, 76%, 41%
CMY	0.5333, 0.2392, 0.5921
CMYK	0.39, 0.00, 0.46, 0.24
HSL	110°, 42%, 58%
HSV	110°, 46%, 76%
XYZ	29.3982, 43.5050, 19.9446
YIQ	161.3150, -15.8100, -43.8900

Conversions

Conversions Part 2

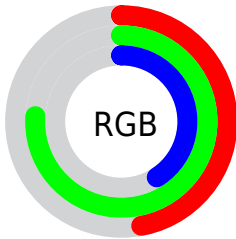
Format	Color
RYB	104, 194, 179
Decimal	7848552
CIELab	71.90, -40.72, 37.96
CIElCh	72, 55.672, 137.010
Yxy	43.5050, 0.3166, 0.4686
Android (android.graphics.Color)	4286038632 (0xFF77C268)
YUV	161.3150, -28.2563, -37.1103
Hunter-Lab	65.9583, -35.8680, 28.2426

Details

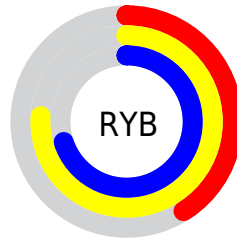
The XYZ color **29.3982, 43.5050, 19.9446** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **33.2806, 23.3809, 53.8002**, and the grayscale version is **34.1565, 35.9353, 39.1335**.

A 20% lighter version of the original color is **58.0385, 80.4274, 44.3634**, and **12.2239, 20.1463, 6.7344** is the 20% darker color. If you saturate the color by 10%, you get **26.4909, 42.1086, 15.2433**, and if you desaturate by 10%, it is **32.9118, 45.1904, 25.8594**.

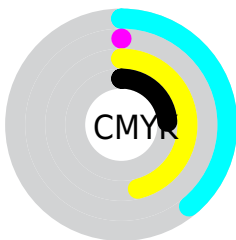
Distribution



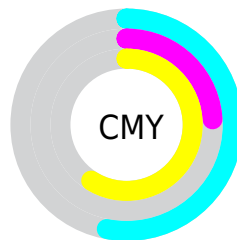
- Red (47%)
- Green (76%)
- Blue (41%)



- Red (41%)
- Yellow (76%)
- Blue (70%)



- Cyan (39%)
- Magenta (0%)
- Yellow (46%)
- Black (24%)



- Cyan (53%)
- Magenta (24%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3982, 43.5050, 19.9446 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 29.3982, 43.5050, 19.9446 by changing the saturation by 10% instead.

■ 29.3982, 43.5050,
19.9446

■ 29.3982, 43.5050,
19.9446

291.0496,
360.6845, 264.2094

■ 19.5281, 30.2815,
12.1711

■ 58.1023, 80.4724,
44.1820

■ 12.1587, 20.0524,
6.7364

■ 77.6670, 104.9851,
61.4830

■ 6.9248, 12.4331,
3.2218

■ 101.1940,
134.0297, 82.7970

■ 3.4610, 7.0394,
1.2090

■ 129.0485,
167.9905, 108.5424

■ 1.4020, 3.4867,
0.0000

161.5960,
207.2520, 139.1378

■ 0.2577, 1.3908,
0.0000

199.2017,

■ 0.0000, 0.2099,

252.1986, 175.0017

0.0000

242.2312,
303.2146, 216.5527

■ 0.0000, 0.0000,
0.0000

■ 29.3982, 43.5050,
19.9446

■ 29.3982, 43.5050,
19.9446

■ 26.4909, 42.1086,
15.2433

■ 32.9118, 45.1904,
25.8594

■ 24.1519, 40.9795,
11.6686

■ 37.0606, 47.1740,
33.0608

■ 22.3437, 40.1017,
9.1271


■ 41.8752, 49.4716,
41.6194


■ 21.0227, 39.4552,
7.5085


■ 47.3836, 52.0961,
51.6000


■ 20.1364, 39.0159,
6.6706

■ 53.6120, 55.0597,
63.0631

 19.8986, 38.8977,
6.4593

 60.5853, 58.3740,
76.0659

 68.3270, 62.0499,
90.6622

 76.1751, 65.8242,
103.2982

 78.5827, 67.0654,
103.4109

Harmonies

Analogous

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



36.2435, 43.5050, 12.9314



29.3982, 43.5050, 19.9446



26.0099, 43.5050, 36.5773

Triad

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



29.3982, 43.5050, 19.9446



37.3867, 43.5050, 118.6216



61.3456, 43.5050, 33.6796

Complementary

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



29.3982, 43.5050, 19.9446



33.2806, 23.3809, 53.8002

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.



61.7771, 43.5050, 60.0998



29.3982, 43.5050, 19.9446



46.9154, 43.5050, 116.8820

Square

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



29.3982, 43.5050, 19.9446



30.1245, 43.5050, 96.7375



56.1686, 43.5050, 92.6283



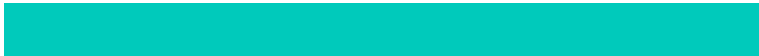
55.0668, 43.5050, 18.5248

Rectangle

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



29.3982, 43.5050, 19.9446



25.7682, 43.5050, 54.0311



56.1686, 43.5050, 92.6283



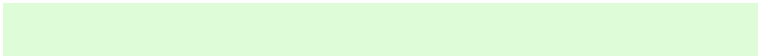
62.2096, 43.5050, 41.2794

Sweetspot

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



29.3993, 43.5068, 19.9456



77.9205, 90.6065, 79.1006



40.8689, 44.7111, 19.5735



16.6071, 19.6242, 16.5006



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.



29.3993, 43.5068, 19.9456



47.7586, 76.1739, 27.2474



29.3052, 43.2499, 29.3589



10.0974, 11.3377, 10.7181



13.1297, 25.5975, 4.2488



0.6172, 1.1317, 0.1859

Inverse Universe

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



33.2806, 23.3809, 53.8002



55.6138, 35.0831, 96.3103



33.9009, 24.0515, 37.9793



10.3272, 10.1599, 12.7016



16.2146, 7.6193, 34.1727



0.7453, 0.3523, 1.4786

Previews

White Background



This preview shows how the XYZ color 29.3982, 43.5050, 19.9446 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 29.3982, 43.5050, 19.9446 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 29.3982, 43.5050, 19.9446

Background



This preview shows how black text looks on a background with the XYZ color 29.3982, 43.5050, 19.9446.



This preview shows how white text looks on a background with the XYZ color 29.3982, 43.5050,

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

29.3982, 43.5050, 19.9446

Protanopia

39.4800, 42.8605, 17.5013

Deuteranopia

43.7846, 42.7603, 20.6977



Tritanopia

37.2799, 43.1784, 59.7955

Trichromacy



Original Color

29.3982, 43.5050, 19.9446

Protanomaly

34.7541, 42.4830, 18.4249

Deuteranomaly

36.7890, 41.9920, 20.3536

Tritanomaly

33.6771, 42.9668, 41.6404

Monochromacy



Original Color

29.3982, 43.5050, 19.9446

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.5313, 37.8916, 30.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3982, 43.5050, 19.9446 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(119, 194, 104)` looks like.

```
.text, #text, p{  
    color:rgb(119, 194, 104)  
}
```

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(119, 194, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 194, 104) }
```

Border

The CSS property to change the border of an element to XYZ 29.3982, 43.5050, 19.9446 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(119, 194, 104) }
```


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

```
.border{ border-color:rgb(119, 194, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 194, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 194, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 194, 104);  
box-shadow:4px 4px 4px 4px rgb(119, 194,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3982, 43.5050, 19.9446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 194, 104) }
```

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

```
.background{ background-color: rgb(119,  
194, 104) }
```

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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