

Converting Colors

XYZ(29.8746, 38.9776, 29.1110)

Have a look what the booklet for
XYZ(29.8746, 38.9776, 29.1110)
contains.

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Color

**XYZ(29.9711, 39.1659,
29.2727)**

Conversions

Conversions Part 1

Format	Color
Hex	82B488
RGB	130, 180, 136
RGB Percent	51%, 71%, 53%
CMY	0.4902, 0.2941, 0.4667
CMYK	0.28, 0.00, 0.24, 0.29
HSL	127°, 25%, 61%
HSV	127°, 28%, 71%
XYZ	29.9711, 39.1659, 29.2727
YIQ	160.0340, -15.6760, -24.2840

Conversions

Conversions Part 2

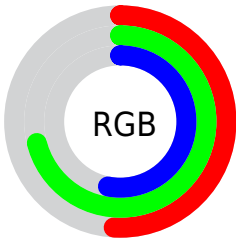
Format	Color
RYB	130, 175, 180
Decimal	8565896
CIELab	68.87, -25.50, 17.25
CIELCh	69, 30.787, 145.927
Yxy	39.1659, 0.3046, 0.3980
Android (android.graphics.Color)	4286755976 (0xFF82B488)
YUV	160.0340, -11.8488, -26.3398
Hunter-Lab	62.5827, -24.0353, 16.0753

Details

The XYZ color **29.9711, 39.1659, 29.2727** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.4463, 28.7254, 43.7750**, and the grayscale version is **33.4882, 35.2322, 38.3678**.

A 20% lighter version of the original color is **58.9479, 73.8554, 59.2927**, and **12.4935, 17.5129, 11.5259** is the 20% darker color. If you saturate the color by 10%, you get **26.4042, 37.4488, 23.6574**, and if you desaturate by 10%, it is **34.1895, 41.2019, 35.7887**.

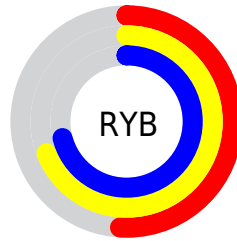
Distribution



Red (51%)

Green (71%)

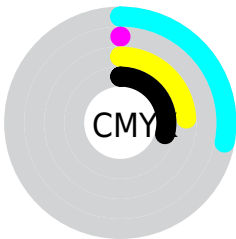
Blue (53%)



Red (51%)

Yellow (69%)

Blue (71%)

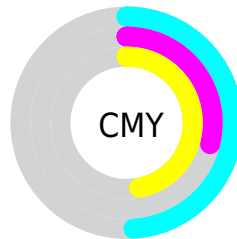


Cyan (28%)

Magenta (0%)

Yellow (24%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9711, 39.1659, 29.2727 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 29.9711, 39.1659, 29.2727 by changing the saturation by 10% instead.

■ 29.9711, 39.1659,
29.2727

■ 29.9711, 39.1659,
29.2727

293.6820,
342.5953, 312.6006

■ 19.9646, 26.8888,
19.0399

■ 59.0034, 73.8917,
59.5574

■ 12.4774, 17.4897,
11.5220

■ 78.7600, 97.1092,
80.4464

■ 7.1442, 10.5843,
6.3005

■ 102.4972,
124.7423, 105.7245

■ 3.5996, 5.7880,
2.9569

130.5806,
157.1753, 135.8102

■ 1.4782, 2.7166,
1.0727

163.3754,
194.7928, 171.1221

■ 0.3109, 0.9856,
0.0000

201.2470,

■ 0.0000, 0.0000,

237.9790, 212.0788

0.0000

244.5607,
287.1184, 259.0988

■ 29.9711, 39.1659,
29.2727

■ 29.9711, 39.1659,
29.2727

■ 26.4042, 37.4488,
23.6574

■ 34.1895, 41.2019,
35.7887

■ 23.4532, 36.0297,
18.9008

■ 39.0865, 43.5665,
43.2398

■ 21.0839, 34.8931,
14.9611

■ 44.6914, 46.2753,
51.6618

■ 19.2576, 34.0198,
11.7926

■ 51.0308, 49.3413,
61.0880

■ 17.9306, 33.3885,
9.3445

■ 58.1299, 52.7768,
71.5498

■ 17.0524, 32.9744,
7.5602

■ 66.0128, 56.5937,
83.0775

■ 16.5488, 32.7405,
6.3739

■ 74.3325, 60.6122,
95.6827

■ 16.4630, 32.7004,
6.1832

■ 75.6120, 61.1240,
102.4207

Harmonies

Analogous

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



33.2661, 39.1659, 22.7291



29.9711, 39.1659, 29.2727



28.6162, 39.1659, 40.7616

Triad

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



29.9711, 39.1659, 29.2727



36.5624, 39.1659, 75.5222



46.3344, 39.1659, 31.9258

Complementary

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



29.9711, 39.1659, 29.2727



34.4463, 28.7254, 43.7750

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.



47.4097, 39.1659, 44.5855



29.9711, 39.1659, 29.2727



41.4883, 39.1659, 71.7218

Square

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



29.9711, 39.1659, 29.2727



32.2049, 39.1659, 69.0519



45.5663, 39.1659, 59.5723



42.7437, 39.1659, 24.0092

Rectangle

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



29.9711, 39.1659, 29.2727



28.9000, 39.1659, 50.4659



45.5663, 39.1659, 59.5723



47.0148, 39.1659, 35.6770

Sweetspot

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



29.9721, 39.1676, 29.2736



70.5291, 78.8276, 77.8855



37.8448, 43.2740, 27.4775



14.9418, 16.8916, 16.3766



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9721, 39.1676, 29.2736



50.4605, 69.1448, 46.9909



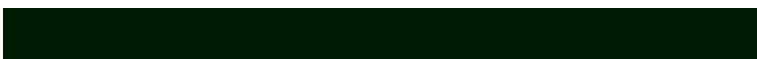
31.9466, 39.9574, 39.6712



8.4291, 9.5061, 9.2533



11.5034, 22.8273, 4.3877



0.3752, 0.7235, 0.2078

Inverse Universe

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



34.4463, 28.7254, 43.7750



59.8497, 47.2229, 77.4161



32.2443, 27.8446, 32.1795



8.8052, 8.6288, 10.4729



17.4847, 8.5114, 23.5099



0.5624, 0.2727, 0.8045

Previews

White Background



This preview shows how the XYZ color 29.9711, 39.1659, 29.2727 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 29.9711, 39.1659, 29.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

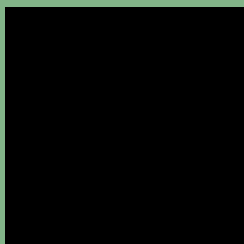
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

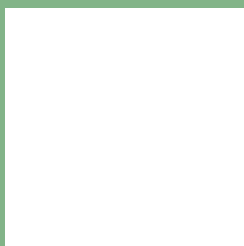
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9711, 39.1659, 29.2727

Background



This preview shows how black text looks on a background with the XYZ color 29.9711, 39.1659, 29.2727.



This preview shows how white text looks on a background with the XYZ color 29.9711, 39.1659,

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

29.9711, 39.1659, 29.2727

Protanopia

36.4384, 38.8328, 26.6941

Deuteranopia

39.4708, 38.7206, 30.2044



Tritanopia

34.5607, 38.9640, 52.7130

Trichromacy



Original Color

29.9711, 39.1659, 29.2727

Protanomaly

33.6153, 38.7481, 27.5372

Deuteranomaly

35.2404, 38.4154, 29.9836

Tritanomaly

32.7466, 39.1121, 42.8692

Monochromacy



Original Color

29.9711, 39.1659, 29.2727

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7991, 36.2614, 34.6013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9711, 39.1659, 29.2727 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(130, 180, 136)` looks like.

```
.text, #text, p{  
    color:rgb(130, 180, 136)  
}
```

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(130, 180, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 180, 136) }
```

Border

The CSS property to change the border of an element to XYZ 29.9711, 39.1659, 29.2727 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(130, 180, 136) }
```


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

```
.border{ border-color:rgb(130, 180, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 180, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 180, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 180, 136);  
box-shadow:4px 4px 4px 4px rgb(130, 180,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9711, 39.1659, 29.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 180, 136) }
```

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

```
.background{ background-color: rgb(130,  
180, 136) }
```

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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