

Converting Colors

XYZ(28.3288, 40.3694, 19.9347)

Have a look what the booklet for
XYZ(28.3288, 40.3694, 19.9347)
contains.

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Color

**XYZ(28.3288, 40.3694,
19.9347)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBA6A
RGB	123, 186, 106
RGB Percent	48%, 73%, 42%
CMY	0.5176, 0.2706, 0.5843
CMYK	0.34, 0.00, 0.43, 0.27
HSL	107°, 37%, 57%
HSV	107°, 43%, 73%
XYZ	28.3288, 40.3694, 19.9347
YIQ	158.0430, -11.8680, -38.2360

Conversions

Conversions Part 2

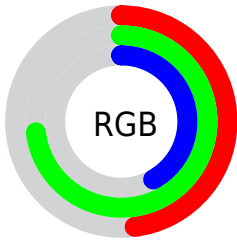
Format	Color
RYB	106, 186, 169
Decimal	8108650
CIELab	69.73, -35.54, 34.25
CIElCh	70, 49.359, 136.064
Yxy	40.3694, 0.3196, 0.4555
Android (android.graphics.Color)	4286298730 (0xFF7BBA6A)
YUV	158.0430, -25.6572, -30.7327
Hunter-Lab	63.5369, -31.6030, 25.8736

Details

The XYZ color **28.3288, 40.3694, 19.9347** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **30.3811, 22.2896, 49.1577**, and the grayscale version is **32.6364, 34.3360, 37.3919**.

A 20% lighter version of the original color is **56.5822, 76.0348, 44.0417**, and **11.5156, 18.1000, 6.7576** is the 20% darker color. If you saturate the color by 10%, you get **25.5238, 39.0245, 15.2904**, and if you desaturate by 10%, it is **31.6593, 41.9634, 25.7004**.

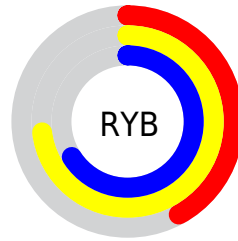
Distribution



Red (48%)

Green (73%)

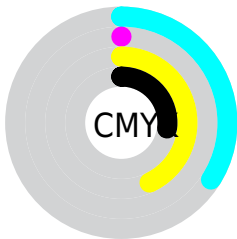
Blue (42%)



Red (42%)

Yellow (73%)

Blue (66%)

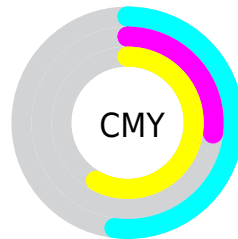


Cyan (34%)

Magenta (0%)

Yellow (43%)

Black (27%)



Cyan (52%)


Magenta (27%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3288, 40.3694, 19.9347 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 28.3288, 40.3694, 19.9347 by changing the saturation by 10% instead.


 28.3288, 40.3694,
19.9347


 28.3288, 40.3694,
19.9347


286.0864,
347.6781, 264.1539


 18.7154, 27.8267,
12.1640

 56.4139, 75.7257,
44.1652


 11.5676, 18.1950,
6.7316


 75.6164, 99.3081,
61.4621

 6.5201, 11.0901,
3.2189


 98.7458, 127.3391,
82.7714

 3.2074, 6.1275,
1.2075

 126.1677,
160.2032, 108.5117

 1.2644, 2.9228,
0.0000

158.2474,
198.2847, 139.1016

 0.1563, 1.0915,
0.0000

195.3501,

 0.0000, 0.0000,

241.9681, 174.9596

0.0000

237.8413,
291.6378, 216.5042

■ 28.3288, 40.3694,
19.9347

■ 28.3288, 40.3694,
19.9347

■ 25.5238, 39.0245,
15.2904

■ 31.6593, 41.9634,
25.7004

■ 23.2135, 37.9107,
11.6920

■ 35.5376, 43.8129,
32.6511

■ 21.3689, 37.0162,
9.0590


■ 39.9887, 45.9307,
40.8488


■ 19.9560, 36.3253,
7.2979


■ 45.0348, 48.3270,
50.3506

■ 18.9359, 35.8205,
6.2968


■ 50.6971, 51.0115,
61.2097

 18.4163, 35.5611,
5.8933

 56.9956, 53.9935,
73.4766

 63.9495, 57.2819,
87.1993

 71.5773, 60.8850,
102.4232

 76.7893, 63.5684,
102.8304

Harmonies

Analogous

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



34.2708, 40.3694, 13.7669



28.3288, 40.3694, 19.9347



25.2982, 40.3694, 34.1803

Triad

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



28.3288, 40.3694, 19.9347



34.7847, 40.3694, 102.0403



55.1224, 40.3694, 32.8622

Complementary

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



28.3288, 40.3694, 19.9347



30.3811, 22.2896, 49.1577

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.



55.3107, 40.3694, 55.4363



28.3288, 40.3694, 19.9347



42.7835, 40.3694, 101.3002

Square

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



28.3288, 40.3694, 19.9347



28.6598, 40.3694, 83.9007



50.5409, 40.3694, 82.1342



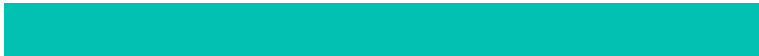
50.0574, 40.3694, 19.2600

Rectangle

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



28.3288, 40.3694, 19.9347



25.0215, 40.3694, 48.7729



50.5409, 40.3694, 82.1342



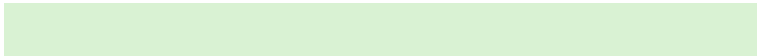
55.7798, 40.3694, 39.4661

Sweetspot

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



28.3298, 40.3711, 19.9356



72.3029, 83.1647, 73.7104



36.9790, 39.7337, 19.3567



15.5083, 18.1175, 15.4632



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.3298, 40.3711, 19.9356



46.3307, 70.7643, 27.8255



27.4444, 39.7600, 26.8819



9.0640, 10.1496, 9.5883



12.4419, 23.9503, 3.9671



0.4910, 0.8713, 0.1423

Inverse Universe

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



30.3811, 22.2896, 49.1577



50.5094, 33.5019, 88.0058



32.0460, 23.4046, 37.6373



9.1891, 9.0639, 11.3446



14.0598, 6.5593, 31.7781



0.5431, 0.2557, 1.1225

Previews

White Background



This preview shows how the XYZ color 28.3288, 40.3694, 19.9347 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 28.3288, 40.3694, 19.9347 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 28.3288, 40.3694, 19.9347

Background



This preview shows how black text looks on a background with the XYZ color 28.3288, 40.3694, 19.9347.



This preview shows how white text looks on a background with the XYZ color 28.3288, 40.3694,

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

28.3288, 40.3694, 19.9347

Protanopia

36.9247, 40.1087, 17.8522

Deuteranopia

40.7468, 39.8479, 20.8731



Tritanopia

35.3008, 40.1716, 54.6085

Trichromacy



Original Color

28.3288, 40.3694, 19.9347

Protanomaly

33.0279, 39.7965, 18.5111

Deuteranomaly

35.0566, 39.3656, 20.5025

Tritanomaly

32.2521, 40.1323, 38.8473

Monochromacy



Original Color

28.3288, 40.3694, 19.9347

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.3399, 35.8891, 29.7543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3288, 40.3694, 19.9347 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(123, 186, 106)` looks like.

```
.text, #text, p{  
    color:rgb(123, 186, 106)  
}
```

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(123, 186, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 106) }
```

Border

The CSS property to change the border of an element to XYZ 28.3288, 40.3694, 19.9347 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(123, 186, 106) }
```


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

```
.border{ border-color:rgb(123, 186, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 186, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 186, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 186, 106);  
box-shadow:4px 4px 4px 4px rgb(123, 186,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3288, 40.3694, 19.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 106) }
```

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

```
.background{ background-color: rgb(123,  
186, 106) }
```

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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