

Converting Colors

XYZ(28.3512, 41.2381, 20.0300)

Have a look what the booklet for
XYZ(28.3512, 41.2381, 20.0300)
contains.

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Color

**XYZ(28.4069, 41.3577,
20.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	77BD6A
RGB	119, 189, 106
RGB Percent	47%, 74%, 42%
CMY	0.5333, 0.2588, 0.5843
CMYK	0.37, 0.00, 0.44, 0.26
HSL	111°, 39%, 58%
HSV	111°, 44%, 74%
XYZ	28.4069, 41.3577, 20.1213
YIQ	158.6080, -15.0770, -40.6530

Conversions

Conversions Part 2

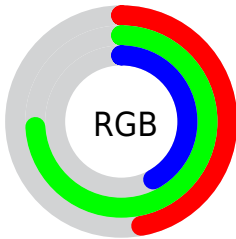
Format	Color
RYB	106, 189, 176
Decimal	7847274
CIELab	70.43, -38.23, 35.09
CIElCh	70, 51.892, 137.450
Yxy	41.3577, 0.3160, 0.4601
Android (android.graphics.Color)	4286037354 (0xFF77BD6A)
YUV	158.6080, -25.9357, -34.7362
Hunter-Lab	64.3100, -33.6957, 26.4663

Details

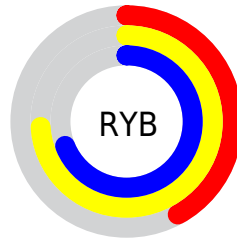
The XYZ color **28.4069, 41.3577, 20.1213** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **32.2456, 23.2135, 50.9273**, and the grayscale version is **32.8961, 34.6093, 37.6895**.

A 20% lighter version of the original color is **56.5829, 77.3788, 44.3011**, and **11.5825, 18.7472, 6.8790** is the 20% darker color. If you saturate the color by 10%, you get **25.5233, 39.9737, 15.4092**, and if you desaturate by 10%, it is **31.8761, 43.0210, 25.9933**.

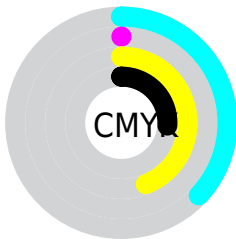
Distribution



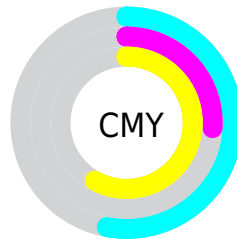
- Red (47%)
- Green (74%)
- Blue (42%)



- Red (42%)
- Yellow (74%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (26%)





- Cyan (53%)
- Magenta (26%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4069, 41.3577, 20.1213 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 28.4069, 41.3577, 20.1213 by changing the saturation by 10% instead.


 28.4069, 41.3577,
20.1213


 28.4069, 41.3577,
20.1213


286.4511,
351.8134, 265.1970


 18.7746, 28.5987,
12.2983


 56.5375, 77.2266,
44.4821


 11.6106, 18.7774,
6.8222


 75.7666, 101.1053,
61.8570

 6.5494, 11.5096,
3.2744


 98.9253, 129.4593,
83.2529

 3.2257, 6.4107,
1.2364

 126.3791,
162.6731, 109.0884

 1.2742, 3.0964,
0.0088

158.4932,
201.1310, 139.7820

 0.1638, 1.1823,
0.0000

195.6329,

 0.0000, 0.0471,

245.2174, 175.7523

0.0000

238.1638,
295.3167, 217.4177

■ 0.0000, 0.0000,
0.0000

■ 28.4069, 41.3577,
20.1213

■ 28.4069, 41.3577,
20.1213

■ 25.5233, 39.9737,
15.4092

■ 31.8761, 43.0210,
25.9933

■ 23.1897, 38.8486,
11.7775

■ 35.9580, 44.9724,
33.0921

■ 21.3709, 37.9675,
9.1413


■ 40.6815, 47.2267,
41.4827


■ 20.0266, 37.3116,
7.4017


■ 46.0730, 49.7960,
51.2249

■ 19.1098, 36.8593,
6.4394


■ 52.1572, 52.6921,
62.3746

 18.7222, 36.6668,
6.0906

 58.9577, 55.9257,
74.9847

 66.4967, 59.5075,
89.1053

 74.4386, 63.3046,
102.9034

 77.4884, 64.8768,
103.0461

Harmonies

Analogous

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



34.5860, 41.3577, 13.4096



28.4069, 41.3577, 20.1213



25.3560, 41.3577, 35.5629

Triad

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



28.4069, 41.3577, 20.1213



35.8468, 41.3577, 108.3327



57.1552, 41.3577, 32.3455

Complementary

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



28.4069, 41.3577, 20.1213



32.2456, 23.2135, 50.9273

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.



57.6231, 41.3577, 56.0472



28.4069, 41.3577, 20.1213



44.4440, 41.3577, 106.4743

Square

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



28.4069, 41.3577, 20.1213



29.2142, 41.3577, 89.3421



52.6954, 41.3577, 84.9259



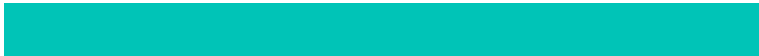
51.4971, 41.3577, 18.5042

Rectangle

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



28.4069, 41.3577, 20.1213



25.1670, 41.3577, 51.4113



52.6954, 41.3577, 84.9259



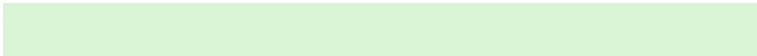
57.9512, 41.3577, 39.2026

Sweetspot

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



28.4079, 41.3595, 20.1222



73.5006, 84.8860, 75.4456



38.9519, 42.5862, 19.8033



15.3777, 18.0501, 15.4571



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.



28.4079, 41.3595, 20.1222



45.7418, 71.6050, 27.6469



28.4226, 41.1731, 28.8827



9.5442, 10.7194, 10.1427



12.6389, 24.6915, 4.0998



0.5396, 0.9901, 0.1627

Inverse Universe

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



32.2456, 23.2135, 50.9273



53.4778, 34.7788, 90.1206



32.6042, 23.7129, 36.7327



9.7792, 9.6186, 12.0134



15.9068, 7.4863, 32.9995



0.6632, 0.3139, 1.2945

Previews

White Background



This preview shows how the XYZ color 28.4069, 41.3577, 20.1213 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 28.4069, 41.3577, 20.1213 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 28.4069, 41.3577, 20.1213

Background



This preview shows how black text looks on a background with the XYZ color 28.4069, 41.3577, 20.1213.



This preview shows how white text looks on a background with the XYZ color 28.4069, 41.3577,

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

28.4069, 41.3577, 20.1213

Protanopia

37.5541, 40.7180, 17.6844

Deuteranopia

41.6537, 40.8426, 21.0173



Tritanopia

35.7374, 41.2414, 56.5289

Trichromacy



Original Color

28.4069, 41.3577, 20.1213

Protanomaly

33.4229, 40.5866, 18.6428

Deuteranomaly

35.2136, 40.0116, 20.6189

Tritanomaly

32.4198, 41.1073, 39.9440

Monochromacy



Original Color

28.4069, 41.3577, 20.1213

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.6099, 36.5722, 30.2568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4069, 41.3577, 20.1213 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, 189, 106)` looks like.

```
.text, #text, p{  
    color:rgb(119, 189, 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(119, 189, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 189, 106) }
```

Border

The CSS property to change the border of an element to XYZ 28.4069, 41.3577, 20.1213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

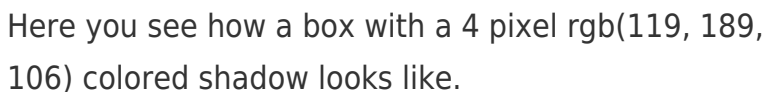
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 189, 106) }
```


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

```
.border{ border-color:rgb(119, 189, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 189, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 189, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 189, 106);  
box-shadow:4px 4px 4px 4px rgb(119, 189,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4069, 41.3577, 20.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 189, 106) }
```

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

```
.background{ background-color: rgb(119,  
189, 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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