

Converting Colors

XYZ(28.9031, 42.1866, 27.1111)

Have a look what the booklet for
XYZ(28.9031, 42.1866, 27.1111)
contains.

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Color

**XYZ(28.8338, 42.0713,
27.0230)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBF80
RGB	109, 191, 128
RGB Percent	43%, 75%, 50%
CMY	0.5725, 0.2510, 0.4980
CMYK	0.43, 0.00, 0.33, 0.25
HSL	134°, 39%, 59%
HSV	134°, 43%, 75%
XYZ	28.8338, 42.0713, 27.0230
YIQ	159.3000, -28.6490, -36.9770

Conversions

Conversions Part 2

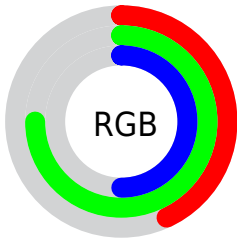
Format	Color
RYB	109, 176, 191
Decimal	7192448
CIELab	70.92, -38.69, 24.18
CIELCh	71, 45.624, 148.002
Yxy	42.0713, 0.2944, 0.4296
Android (android.graphics.Color)	4285382528 (0xFF6DBF80)
YUV	159.3000, -15.4309, -44.1131
Hunter-Lab	64.8624, -34.1591, 20.7022

Details

The XYZ color **28.8338, 42.0713, 27.0230** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.4023, 24.9932, 42.0423**, and the grayscale version is **33.1708, 34.8982, 38.0042**.

A 20% lighter version of the original color is **57.2177, 78.3635, 55.8260**, and **11.8421, 19.2256, 10.2945** is the 20% darker color. If you saturate the color by 10%, you get **25.8376, 40.6315, 22.2005**, and if you desaturate by 10%, it is **32.4825, 43.8337, 32.6071**.

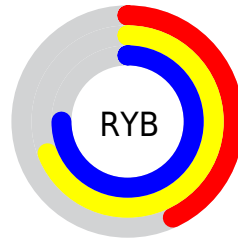
Distribution



Red (43%)

Green (75%)

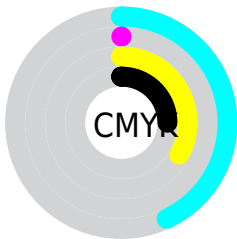
Blue (50%)



Red (43%)

Yellow (69%)

Blue (75%)

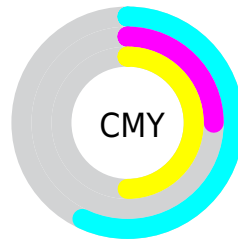


Cyan (43%)

Magenta (0%)

Yellow (33%)

Black (25%)



Cyan (57%)


Magenta (25%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8338, 42.0713, 27.0230 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 28.8338, 42.0713, 27.0230 by changing the saturation by 10% instead.


 28.8338, 42.0713,
27.0230


 28.8338, 42.0713,
27.0230


288.4383,
354.7784, 301.5322


 19.0988, 29.1571,
17.3579


 57.2123, 78.3075,
55.9250


 11.8461, 19.1997,
10.3253


 76.5865, 102.3984,
75.9989

 6.7104, 11.8147,
5.5068


 99.9045, 130.9835,
100.3796

 3.3264, 6.6176,
2.4837

 127.5316,
164.4475, 129.4854

 1.3286, 3.2241,
0.8315

159.8332,
203.1745, 163.7351

 0.2045, 1.2498,
0.0000

197.1746,

 0.0000, 0.1019,

247.5491, 203.5471

0.0000

239.9212,
297.9556, 249.3399

■ 0.0000, 0.0000,
0.0000

■ 28.8338, 42.0713,
27.0230

■ 28.8338, 42.0713,
27.0230

■ 25.8376, 40.6315,
22.2005

■ 32.4825, 43.8337,
32.6071

■ 23.4511, 39.4895,
18.1037

■ 36.8164, 45.9313,
38.9810

■ 21.6318, 38.6251,
14.6983


■ 41.8699, 48.3825,
46.1749


■ 20.3297, 38.0134,
11.9456


■ 47.6742, 51.2027,
54.2164


■ 19.4857, 37.6249,
9.8033


■ 54.2585, 54.4065,
63.1320

 19.0910, 37.4469,
8.6300

 61.6506, 58.0077,
72.9471

 69.8767, 62.0193,
83.6858

 76.4141, 65.1402,
95.2522

 77.9216, 65.7432,
103.1905

Harmonies

Analogous

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



33.5134, 42.0713, 17.9082



28.8338, 42.0713, 27.0230



27.0925, 42.0713, 44.3653

Triad

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



28.8338, 42.0713, 27.0230



39.4804, 42.0713, 101.6334



54.3225, 42.0713, 28.8393

Complementary

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



28.8338, 42.0713, 27.0230



34.4023, 24.9932, 42.0423

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.



56.4362, 42.0713, 47.2827



28.8338, 42.0713, 27.0230



47.2460, 42.0713, 93.5680

Square

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



28.8338, 42.0713, 27.0230



32.7353, 42.0713, 91.2394



53.7002, 42.0713, 71.7468



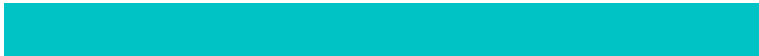
48.2387, 42.0713, 18.6994

Rectangle

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



28.8338, 42.0713, 27.0230



27.6409, 42.0713, 59.9934



53.7002, 42.0713, 71.7468



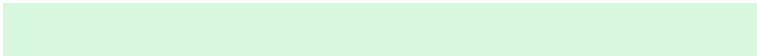
55.5522, 42.0713, 34.0568

Sweetspot

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



28.8349, 42.0730, 27.0239



74.7209, 86.5209, 82.3234



38.6779, 47.2785, 21.5556



15.9403, 18.7722, 17.4184



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.8349, 42.0730, 27.0239



46.3258, 72.7935, 39.8466



31.9849, 43.3331, 43.6117



9.4969, 10.6849, 10.6004



12.5721, 24.6191, 5.8095



0.5184, 0.9747, 0.3644

Inverse Universe

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



34.4023, 24.9932, 42.0423



57.6416, 38.0051, 70.3173



31.1366, 23.6869, 24.8454



9.8328, 9.6574, 11.5086



17.6002, 8.6712, 18.9858



0.7129, 0.3491, 0.8675

Previews

White Background



This preview shows how the XYZ color 28.8338, 42.0713, 27.0230 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 28.8338, 42.0713, 27.0230 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 28.8338, 42.0713, 27.0230

Background



This preview shows how black text looks on a background with the XYZ color 28.8338, 42.0713, 27.0230.



This preview shows how white text looks on a background with the XYZ color 28.8338, 42.0713,

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

28.8338, 42.0713, 27.0230

Protanopia

38.3924, 41.3002, 23.7175

Deuteranopia

42.2964, 41.5502, 28.3450



Tritanopia

35.1182, 41.7722, 59.0352

Trichromacy



Original Color

28.8338, 42.0713, 27.0230

Protanomaly

33.7958, 40.9394, 24.8598

Deuteranomaly

35.6433, 40.6507, 27.7976

Tritanomaly

32.4031, 41.5984, 45.3512

Monochromacy



Original Color

28.8338, 42.0713, 27.0230

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.8927, 36.9267, 33.5163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8338, 42.0713, 27.0230 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(109, 191, 128)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 128)  
}
```

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(109, 191, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 128) }
```

Border

The CSS property to change the border of an element to XYZ 28.8338, 42.0713, 27.0230 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(109, 191, 128) }
```


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

```
.border{ border-color:rgb(109, 191, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 191, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 191, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 191, 128); box-shadow:4px 4px 4px 4px rgb(109, 191, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8338, 42.0713, 27.0230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 128) }
```

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

```
.background{ background-color: rgb(109,  
191, 128) }
```

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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