

Converting Colors

XYZ(28.7809, 42.6542, 27.3731)

Have a look what the booklet for
XYZ(28.7809, 42.6542, 27.3731)
contains.

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Color

**XYZ(28.8581, 42.7282,
27.4953)**

Conversions

Conversions Part 1

Format	Color
Hex	69C181
RGB	105, 193, 129
RGB Percent	41%, 76%, 51%
CMY	0.5882, 0.2431, 0.4941
CMYK	0.46, 0.00, 0.33, 0.24
HSL	136°, 42%, 58%
HSV	136°, 46%, 76%
XYZ	28.8581, 42.7282, 27.4953
YIQ	159.3920, -31.9040, -38.5600

Conversions

Conversions Part 2

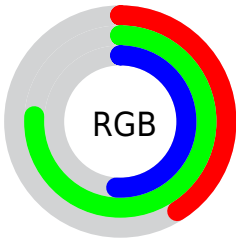
Format	Color
RYB	105, 174, 193
Decimal	6930817
CIELab	71.37, -40.54, 24.22
CIELCh	71, 47.224, 149.139
Yxy	42.7282, 0.2913, 0.4312
Android (android.graphics.Color)	4285120897 (0xFF69C181)
YUV	159.3920, -14.9833, -47.7018
Hunter-Lab	65.3668, -35.5878, 20.8176

Details

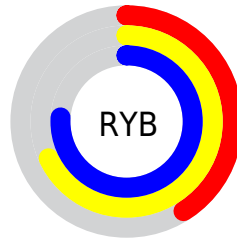
The XYZ color **28.8581, 42.7282, 27.4953** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.2067, 24.3060, 40.4261**, and the grayscale version is **33.2121, 34.9417, 38.0515**.

A 20% lighter version of the original color is **57.1263, 79.2222, 56.5365**, and **11.9105, 19.6827, 10.5685** is the 20% darker color. If you saturate the color by 10%, you get **25.9736, 41.3429, 22.8203**, and if you desaturate by 10%, it is **32.3875, 44.4335, 32.8715**.

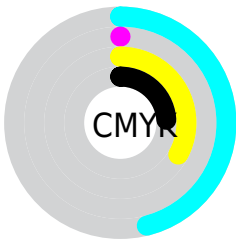
Distribution



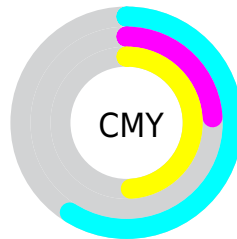
- Red (41%)
- Green (76%)
- Blue (51%)



- Red (41%)
- Yellow (68%)
- Blue (76%)



- Cyan (46%)
- Magenta (0%)
- Yellow (33%)
- Black (24%)



- Cyan (59%)
- Magenta (24%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8581, 42.7282, 27.4953 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 28.8581, 42.7282, 27.4953 by changing the saturation by 10% instead.

■ 28.8581, 42.7282,
27.4953

■ 28.8581, 42.7282,
27.4953

288.5511,
357.4928, 303.8830

■ 19.1172, 29.6719,
17.7098

■ 57.2507, 79.3005,
56.6910

■ 11.8595, 19.5897,
10.5746

■ 76.6331, 103.5854,
76.9383

■ 6.7196, 12.0971,
5.6710

■ 99.9601, 132.3819,
101.5100

■ 3.3321, 6.8099,
2.5805

■ 127.5970,
166.0744, 130.8247

■ 1.3317, 3.3435,
0.8824

159.9093,
205.0474, 165.3007

■ 0.2068, 1.3136,
0.0000


197.2621,


■ 0.0000, 0.1517,


249.6852, 205.3568


0.0000


240.0210,
300.3722, 251.4114


 0.0000, 0.0000,
0.0000

 28.8581, 42.7282,
27.4953


 28.8581, 42.7282,
27.4953


 25.9736, 41.3429,
22.8203


 32.3875, 44.4335,
32.8715


 23.6901, 40.2520,
18.8145


 36.5952, 46.4720,
38.9732


 21.9636, 39.4347,
15.4478


 41.5164, 48.8624,
45.8272


 20.7421, 38.8648,
12.6867


 47.1827, 51.6204,
53.4580


 19.9619, 38.5104,
10.4943


 53.6239, 54.7611,
61.8891

 19.7051, 38.3953,
9.6971

 60.8681, 58.2983,
71.1429

 68.9420, 62.2453,
81.2409

 76.2321, 65.7701,
92.1271

 78.3608, 66.6216,
103.3369

Harmonies

Analogous

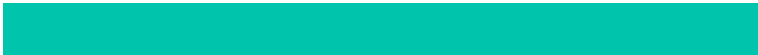
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6175, 42.7282, 17.8160



28.8581, 42.7282, 27.4953



27.1710, 42.7282, 45.8696

Triad

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



28.8581, 42.7282, 27.4953



40.3828, 42.7282, 105.4205



55.4712, 42.7282, 28.3048

Complementary

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



28.8581, 42.7282, 27.4953



34.2067, 24.3060, 40.4261

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.



57.8835, 42.7282, 47.1841



28.8581, 42.7282, 27.4953



48.5147, 42.7282, 96.1607

Square

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



28.8581, 42.7282, 27.4953



33.2683, 42.7282, 95.0981



55.1891, 42.7282, 72.7706



48.9636, 42.7282, 18.1648

Rectangle

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



28.8581, 42.7282, 27.4953



27.8208, 42.7282, 62.3945



55.1891, 42.7282, 72.7706



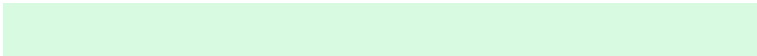
56.8227, 42.7282, 33.6020

Sweetspot

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



28.8592, 42.7300, 27.4963



75.6701, 88.1497, 83.8719



38.0982, 47.6560, 20.5554



15.7898, 18.6952, 17.3863



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.



28.8592, 42.7300, 27.4963



46.3949, 73.9838, 40.6641



32.3882, 44.1416, 46.0799



10.0548, 11.3030, 11.2918



13.1349, 25.5480, 6.6036



0.5976, 1.1159, 0.4435

Inverse Universe

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



34.2067, 24.3060, 40.4261



57.1691, 36.7689, 66.6459



30.7809, 22.9357, 22.3864



10.3763, 10.1991, 12.0720



17.8287, 8.8212, 17.5421



0.7980, 0.3922, 0.9038

Previews

White Background



This preview shows how the XYZ color 28.8581, 42.7282, 27.4953 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 28.8581, 42.7282, 27.4953 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 28.8581, 42.7282, 27.4953

Background



This preview shows how black text looks on a background with the XYZ color 28.8581, 42.7282, 27.4953.

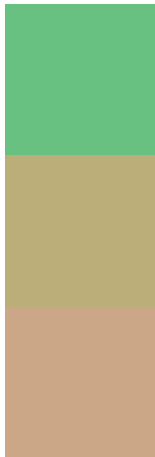


This preview shows how white text looks on a background with the XYZ color 28.8581, 42.7282,

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

28.8581, 42.7282, 27.4953

Protanopia

39.3263, 42.3439, 24.1896

Deuteranopia

43.0937, 42.2241, 28.8004



Tritanopia

35.3345, 42.4694, 60.3679

Trichromacy



Original Color

28.8581, 42.7282, 27.4953

Protanomaly

34.2625, 41.7721, 25.3258

Deuteranomaly

35.9074, 41.0690, 28.2249

Tritanomaly

32.4805, 42.2415, 46.4859

Monochromacy



Original Color

28.8581, 42.7282, 27.4953

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.5557, 36.7529, 33.5005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8581, 42.7282, 27.4953 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(105, 193, 129)` looks like.

```
.text, #text, p{  
    color:rgb(105, 193, 129)  
}
```

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(105, 193, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 193, 129) }
```

Border

The CSS property to change the border of an element to XYZ 28.8581, 42.7282, 27.4953 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(105, 193, 129) }
```


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

```
.border{ border-color:rgb(105, 193, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 193, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 193, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 193, 129);  
box-shadow:4px 4px 4px 4px rgb(105, 193,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8581, 42.7282, 27.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 193, 129) }
```

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

```
.background{ background-color: rgb(105,  
193, 129) }
```

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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