

Converting Colors

XYZ(28.8200, 40.2476, 28.1968)

Have a look what the booklet for
XYZ(28.8200, 40.2476, 28.1968)
contains.

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Color

**XYZ(28.7163, 40.0769,
28.0519)**

Conversions

Conversions Part 1

Format	Color
Hex	74B984
RGB	116, 185, 132
RGB Percent	45%, 73%, 52%
CMY	0.5451, 0.2745, 0.4823
CMYK	0.37, 0.00, 0.29, 0.27
HSL	134°, 33%, 59%
HSV	134°, 37%, 73%
XYZ	28.7163, 40.0769, 28.0519
YIQ	158.3270, -24.1110, -31.1110

Conversions

Conversions Part 2

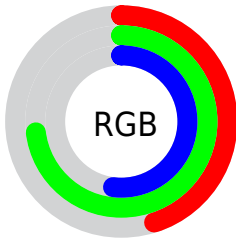
Format	Color
RYB	116, 172, 185
Decimal	7649668
CIELab	69.52, -33.13, 20.19
CIElCh	70, 38.802, 148.639
Yxy	40.0769, 0.2965, 0.4138
Android (android.graphics.Color)	4285839748 (0xFF74B984)
YUV	158.3270, -12.9792, -37.1208
Hunter-Lab	63.3063, -29.8169, 18.0422

Details

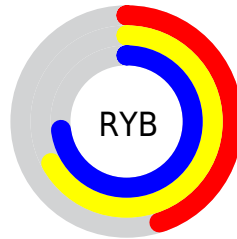
The XYZ color **28.7163, 40.0769, 28.0519** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4158, 25.6705, 40.7314**, and the grayscale version is **32.7137, 34.4174, 37.4806**.

A 20% lighter version of the original color is **56.7898, 74.9594, 57.3744**, and **11.7536, 17.9318, 10.8243** is the 20% darker color. If you saturate the color by 10%, you get **25.5907, 38.5715, 23.1709**, and if you desaturate by 10%, it is **32.4662, 41.8911, 33.6554**.

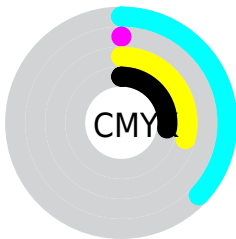
Distribution



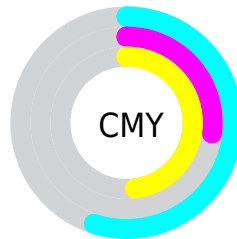
- Red (45%)
- Green (73%)
- Blue (52%)



- Red (45%)
- Yellow (67%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)




- Cyan (55%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7163, 40.0769, 28.0519 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 28.7163, 40.0769, 28.0519 by changing the saturation by 10% instead.


 28.7163, 40.0769,
28.0519


 28.7163, 40.0769,
28.0519


287.8924,
346.4476, 306.6346


 19.0095, 27.5985,
18.1254


 57.0267, 75.2806,
57.5914

 11.7812, 18.0232,
10.8697


 76.3611, 98.7747,
78.0415

 6.6660, 10.9667,
5.8662


 99.6353, 126.7095,
102.8365

 3.2986, 6.0444,
2.6964

127.2148,
159.4694, 132.3950

 1.3136, 2.8721,
0.9416

159.4649,
197.4387, 167.1355

 0.1933, 1.0653,
0.0000

196.7510,

 0.0000, 0.0000,

241.0019, 207.4766

0.0000

239.4384,
290.5434, 253.8367

■ 28.7163, 40.0769,
28.0519

■ 28.7163, 40.0769,
28.0519

■ 25.5907, 38.5715,
23.1709

■ 32.4662, 41.8911,
33.6554

■ 23.0517, 37.3528,
18.9802

■ 36.8692, 44.0249,
40.0063

■ 21.0624, 36.4033,
15.4494


■ 41.9559, 46.4947,
47.1318


■ 19.5801, 35.7019,
12.5445


■ 47.7540, 49.3143,
55.0569


■ 18.5556, 35.2240,
10.2287

■ 54.2898, 52.4968,
63.8052


 17.9202, 34.9349,
8.4604

 61.5882, 56.0545,
73.3997

 17.7839, 34.8732,
8.0697

 69.6730, 59.9991,
83.8623

 75.1760, 62.5940,
95.0555

 76.6397, 63.1795,
102.7632

Harmonies

Analogous

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



32.6128, 40.0769, 19.8479



28.7163, 40.0769, 28.0519



27.2878, 40.0769, 42.8236

Triad

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



28.7163, 40.0769, 28.0519



37.8068, 40.0769, 87.9301



49.6541, 40.0769, 29.1211

Complementary

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



28.7163, 40.0769, 28.0519



33.4158, 25.6705, 40.7314

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.



51.4267, 40.0769, 44.4605



28.7163, 40.0769, 28.0519



44.1526, 40.0769, 81.3912

Square

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



28.7163, 40.0769, 28.0519



32.1685, 40.0769, 80.1574



49.3138, 40.0769, 64.1325



44.7011, 40.0769, 20.3359

Rectangle

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



28.7163, 40.0769, 28.0519



27.7933, 40.0769, 55.5985



49.3138, 40.0769, 64.1325



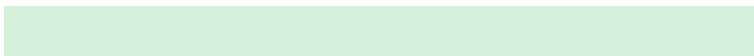
50.6640, 40.0769, 33.5272

Sweetspot

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



28.7174, 40.0786, 28.0528



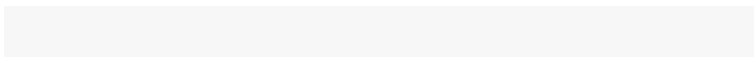
71.4542, 81.4777, 79.2876



37.0913, 44.5124, 23.1602



15.1392, 17.4363, 16.7222



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.7174, 40.0786, 28.0528



46.6345, 69.4650, 42.7800



31.3852, 41.1457, 42.1016



8.9734, 10.0933, 10.0173



12.1326, 23.7540, 5.6201



0.4521, 0.8471, 0.3265

Inverse Universe

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



33.4158, 25.6705, 40.7314



56.2880, 39.8209, 68.7995



30.6662, 24.5707, 26.2523



9.2894, 9.1261, 10.8716



16.9821, 8.3666, 18.3244



0.6207, 0.3038, 0.7622

Previews

White Background



This preview shows how the XYZ color 28.7163, 40.0769, 28.0519 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 28.7163, 40.0769, 28.0519 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 28.7163, 40.0769, 28.0519

Background



This preview shows how black text looks on a background with the XYZ color 28.7163, 40.0769, 28.0519.



This preview shows how white text looks on a background with the XYZ color 28.7163, 40.0769,

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

28.7163, 40.0769, 28.0519

Protanopia

36.9457, 39.6804, 25.1139

Deuteranopia

40.2006, 39.3826, 29.1497



Tritanopia

34.1387, 39.8392, 55.7596

Trichromacy



Original Color

28.7163, 40.0769, 28.0519

Protanomaly

33.1309, 39.3866, 26.2783

Deuteranomaly

34.6842, 38.7142, 28.5662

Tritanomaly

31.8891, 39.8299, 44.0374

Monochromacy



Original Color

28.7163, 40.0769, 28.0519

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.7551, 36.0148, 33.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7163, 40.0769, 28.0519 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(116, 185, 132)` looks like.

```
.text, #text, p{  
    color:rgb(116, 185, 132)  
}
```

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(116, 185, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 185, 132) }
```

Border

The CSS property to change the border of an element to XYZ 28.7163, 40.0769, 28.0519 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(116, 185, 132) }
```


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

```
.border{ border-color:rgb(116, 185, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 185, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 185, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 185, 132);  
box-shadow:4px 4px 4px 4px rgb(116, 185,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7163, 40.0769, 28.0519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 185, 132) }
```

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

```
.background{ background-color: rgb(116,  
185, 132) }
```

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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