

Converting Colors

$Y_{xy}(28.5933, 0.2861, 0.4170)$

Have a look what the booklet for
Yxy(28.5933, 0.2861, 0.4170)
contains.

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Color

Yxy(28.7309, 0.2862, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	57A172
RGB	87, 161, 114
RGB Percent	34%, 63%, 45%
CMY	0.6590, 0.3686, 0.5529
CMYK	0.46, 0.00, 0.29, 0.37
HSL	142°, 30%, 49%
HSV	142°, 46%, 63%
XYZ	19.7095, 28.7309, 20.4257
YIQ	133.5160, -29.0170, -30.3050

Conversions

Conversions Part 2

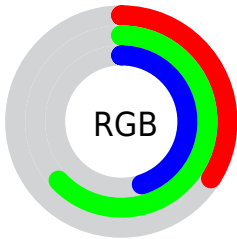
Format	Color
RYB	87, 141, 161
Decimal	5742962
CIELab	60.54, -33.98, 17.48
CIELCh	61, 38.213, 152.777
Yxy	28.7309, 0.2862, 0.4172
Android (android.graphics.Color)	4283933042 (0xFF57A172)
YUV	133.5160, -9.6214, -40.7945
Hunter-Lab	53.6012, -28.1667, 14.9274

Details

The Yxy color $28.7309, 0.2862, 0.4172$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.1078, 0.3557, 0.2557$, and the grayscale version is $23.6941, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.5276, 0.2928, 0.3970$, and $11.6377, 0.2741, 0.4526$ is the 20% darker color. If you saturate the color by 10%, you get $27.8221, 0.2824, 0.4408$, and if you desaturate by 10%, it is $29.8408, 0.2911, 0.3948$.

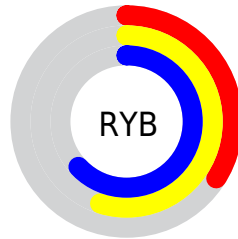
Distribution



Red (34%)

Green (63%)

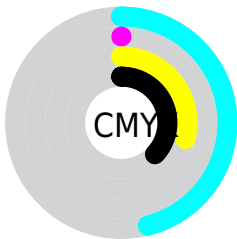
Blue (45%)



Red (34%)

Yellow (55%)

Blue (63%)

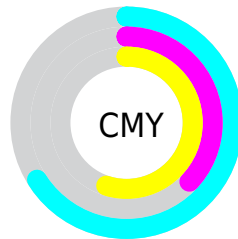


Cyan (46%)

Magenta (0%)

Yellow (29%)

Black (37%)



Cyan (66%)


Magenta (37%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7309, 0.2862, 0.4172 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 Yxy color 28.7309, 0.2862, 0.4172 by changing the saturation by 10% instead.


 28.7309, 0.2862,
0.4172


 28.7309, 0.2862,
0.4172


295.9431, 0.3017,
0.3672


 18.8773, 0.2813,
0.4321


 57.6493, 0.2925,
0.3973


 11.5817, 0.2744,
0.4530


 77.4829, 0.2947,
0.3904

 6.4595, 0.2637,
0.4841


 101.4119, 0.2964,
0.3848

 3.1265, 0.2453,
0.5350

 129.8209, 0.2978,
0.3801

 1.1981, 0.1833,
0.7848

163.0941, 0.2990,
0.3761

 0.0602, 0.0000,
1.0000

201.6159, 0.3001,

 0.0000, 0.0000,

0.3727

0.0000

245.7708, 0.3010,
0.3697

■ 28.7309, 0.2862,
0.4172

■ 28.7309, 0.2862,
0.4172

■ 27.8221, 0.2824,
0.4408

■ 29.8408, 0.2911,
0.3948

■ 27.0986, 0.2799,
0.4651

■ 31.1598, 0.2966,
0.3741

■ 26.5474, 0.2791,
0.4892

■ 32.6995, 0.3027,
0.3552


■ 26.1525, 0.2800,
0.5121

■ 34.4696, 0.3089,
0.3382

■ 25.8923, 0.2825,
0.5330

■ 36.4794, 0.3152,
0.3232

 25.8067, 0.2836,
0.5408

 38.7375, 0.3214,
0.3099

 41.2521, 0.3274,
0.2982

 44.0312, 0.3332,
0.2880

 47.0822, 0.3387,
0.2791

Harmonies

Analogous

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



28.7309, 0.3472, 0.4436



28.7309, 0.2862, 0.4172



28.7309, 0.2354, 0.3581

Triad

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



28.7309, 0.2862, 0.4172



28.7309, 0.2248, 0.2326



28.7309, 0.4318, 0.3438

Complementary

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



28.7309, 0.2862, 0.4172



16.1078, 0.3557, 0.2557

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.



28.7309, 0.3924, 0.2973



28.7309, 0.2862, 0.4172



28.7309, 0.2694, 0.2362

Square

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



28.7309, 0.2862, 0.4172



28.7309, 0.2032, 0.2517



28.7309, 0.3307, 0.2593



28.7309, 0.4342, 0.3913

Rectangle

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



28.7309, 0.2862, 0.4172



28.7309, 0.2133, 0.3150



28.7309, 0.3307, 0.2593



28.7309, 0.4224, 0.3278

Sweetspot

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



28.7321, 0.2862, 0.4172



59.0728, 0.3038, 0.3521



31.3389, 0.3517, 0.4504



12.8223, 0.3025, 0.3557



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.7321, 0.2862, 0.4172



49.8149, 0.2824, 0.4409



29.7160, 0.2600, 0.3485



7.9358, 0.3069, 0.3436



20.6157, 0.2831, 0.5393



0.4421, 0.2625, 0.4648

Inverse Universe

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



16.1078, 0.3557, 0.2557



24.3861, 0.3693, 0.2413



15.2706, 0.4143, 0.3114



7.1581, 0.3191, 0.3148



6.8291, 0.4372, 0.2182



0.1521, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 28.7309, 0.2862, 0.4172 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 28.7309, 0.2862, 0.4172 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7309, 0.2862, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 28.7309, 0.2862, 0.4172.



This preview shows how white text looks on a background with the Yxy color 28.7309, 0.2862, 0.4172.

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

28.7309, 0.2862, 0.4172

Protanopia

28.3803, 0.3636, 0.3895

Deuteranopia

28.4129, 0.3667, 0.3611



Tritanopia

28.6105, 0.2551, 0.3069

Trichromacy



Original Color

28.7309, 0.2862, 0.4172

Protanomaly

28.0843, 0.3307, 0.3996

Deuteranomaly

27.9531, 0.3334, 0.3812

Tritanomaly

28.6850, 0.2659, 0.3448

Monochromacy



Original Color

28.7309, 0.2862, 0.4172

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2607, 0.3010, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7309, 0.2862, 0.4172 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(87, 161, 114)` looks like.

```
.text, #text, p{  
    color:rgb(87, 161, 114)  
}
```

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(87, 161, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 161, 114) }
```

Border

The CSS property to change the border of an element to Yxy 28.7309, 0.2862, 0.4172 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(87, 161, 114) }
```

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

```
.border{ border-color:rgb(87, 161, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 161, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 161, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 161, 114);  
box-shadow:4px 4px 4px 4px rgb(87, 161,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7309, 0.2862, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 161, 114) }
```

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

```
.background{ background-color: rgb(87, 161,  
114) }
```

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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