

Converting Colors

$Y_{xy}(28.7446, 0.2835, 0.4092)$

Have a look what the booklet for
Yxy(28.7446, 0.2835, 0.4092)
contains.

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Color

$Y_{xy}(28.8240, 0.2832, 0.4093)$

Conversions

Conversions Part 1

Format	Color
Hex	57A176
RGB	87, 161, 118
RGB Percent	34%, 63%, 46%
CMY	0.6589, 0.3686, 0.5372
CMYK	0.46, 0.00, 0.27, 0.37
HSL	145°, 30%, 49%
HSV	145°, 46%, 63%
XYZ	19.9437, 28.8240, 21.6550
YIQ	133.9720, -30.3010, -29.0610

Conversions

Conversions Part 2

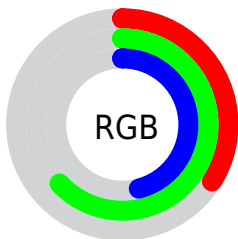
Format	Color
RYB	87, 139, 161
Decimal	5742966
CIELab	60.63, -33.17, 15.37
CIElCh	61, 36.557, 155.136
Yxy	28.8240, 0.2832, 0.4093
Android (android.graphics.Color)	4283933046 (0xFF57A176)
YUV	133.9720, -7.8742, -41.1944
Hunter-Lab	53.6880, -27.6458, 13.6671

Details

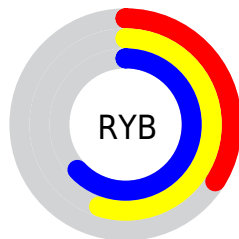
The Yxy color **28.8240, 0.2832, 0.4093** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.0002, 0.3619, 0.2616**, and the grayscale version is **23.8654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6767, 0.2904, 0.3913**, and **11.6740, 0.2712, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **27.9236, 0.2789, 0.4309**, and if you desaturate by 10%, it is **29.9216, 0.2886, 0.3889**.

Distribution



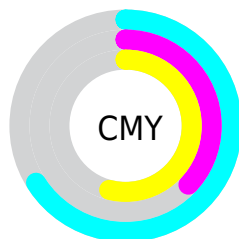
- Red (34%)
- Green (63%)
- Blue (46%)



- Red (34%)
- Yellow (55%)
- Blue (63%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (37%)





- Cyan (66%)
- Magenta (37%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8240, 0.2832, 0.4093 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 28.8240, 0.2832, 0.4093 by changing the saturation by 10% instead.


 28.8240, 0.2832,
0.4093


 28.8240, 0.2832,
0.4093


296.3836, 0.3001,
0.3639

 18.9477, 0.2781,
0.4228


 57.7973, 0.2900,
0.3913

 11.6325, 0.2708,
0.4416


 77.6632, 0.2923,
0.3850

 6.4940, 0.2598,
0.4696


 101.6277, 0.2942,
0.3799

 3.1477, 0.2415,
0.5155

 130.0752, 0.2958,
0.3756

 1.2093, 0.1789,
0.7015

163.3902, 0.2971,
0.3720

 0.0693, 0.0000,
1.0000

201.9570, 0.2983,

 0.0000, 0.0000,

0.3689

0.0000

246.1600, 0.2993,
0.3662

■ 28.8240, 0.2832,
0.4093

■ 28.8240, 0.2832,
0.4093

■ 27.9236, 0.2789,
0.4309

■ 29.9216, 0.2886,
0.3889

■ 27.2046, 0.2761,
0.4531

■ 31.2241, 0.2948,
0.3701

■ 26.6545, 0.2749,
0.4754


■ 32.7429, 0.3015,
0.3529

■ 26.2574, 0.2756,
0.4971


■ 34.4876, 0.3085,
0.3374


■ 25.9921, 0.2781,
0.5173

■ 36.4673, 0.3155,
0.3237

 25.9034, 0.2792,
0.5250

 38.6904, 0.3225,
0.3115

 41.1650, 0.3293,
0.3008

 43.8989, 0.3359,
0.2914

 46.8993, 0.3422,
0.2832

Harmonies

Analogous

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



28.8240, 0.3415, 0.4377



28.8240, 0.2832, 0.4093



28.8240, 0.2356, 0.3520

Triad

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



28.8240, 0.2832, 0.4093



28.8240, 0.2310, 0.2359



28.8240, 0.4280, 0.3473

Complementary

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



28.8240, 0.2832, 0.4093



16.0002, 0.3619, 0.2616

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.



28.8240, 0.3929, 0.3021



28.8240, 0.2832, 0.4093



28.8240, 0.2755, 0.2409

Square

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



28.8240, 0.2832, 0.4093



28.8240, 0.2083, 0.2528



28.8240, 0.3349, 0.2645



28.8240, 0.4278, 0.3926

Rectangle

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



28.8240, 0.2832, 0.4093



28.8240, 0.2156, 0.3113



28.8240, 0.3349, 0.2645



28.8240, 0.4200, 0.3318

Sweetspot

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



28.8252, 0.2832, 0.4093



59.1426, 0.3027, 0.3501



30.9381, 0.3466, 0.4525



12.8395, 0.3013, 0.3534



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.



28.8252, 0.2832, 0.4093



49.9971, 0.2789, 0.4310



29.8780, 0.2566, 0.3396



7.9420, 0.3062, 0.3423



20.6942, 0.2787, 0.5235



0.4442, 0.2584, 0.4504

Inverse Universe

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



16.0002, 0.3619, 0.2616



24.1613, 0.3777, 0.2483



15.1822, 0.4226, 0.3194



7.1517, 0.3198, 0.3160



6.6981, 0.4587, 0.2301



0.1499, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 28.8240, 0.2832, 0.4093 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 28.8240, 0.2832, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

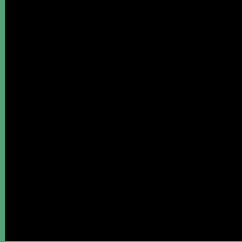
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8240, 0.2832, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 28.8240, 0.2832, 0.4093.



This preview shows how white text looks on a background with the Yxy color 28.8240, 0.2832, 0.4093.

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

28.8240, 0.2832, 0.4093

Protanopia

28.3671, 0.3583, 0.3834

Deuteranopia

28.5111, 0.3623, 0.3550



Tritanopia

28.8854, 0.2547, 0.3086

Trichromacy



Original Color

28.8240, 0.2832, 0.4093

Protanomaly

28.0939, 0.3259, 0.3928

Deuteranomaly

28.0493, 0.3294, 0.3743

Tritanomaly

28.7168, 0.2652, 0.3430

Monochromacy



Original Color

28.8240, 0.2832, 0.4093

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2869, 0.3000, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8240, 0.2832, 0.4093 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(87, 161, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 161, 118) }
```

Border

The CSS property to change the border of an element to Yxy 28.8240, 0.2832, 0.4093 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, 118) }
```

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

```
.border{ border-color:rgb(87, 161, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 161, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 161, 118); box-shadow:4px 4px 4px 4px rgb(87, 161, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8240, 0.2832, 0.4093 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, 118) }
```

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

```
.background{ background-color: rgb(87, 161,  
118) }
```

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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