

Converting Colors

$Yxy(28.4389, 0.2735, 0.3850)$

Have a look what the booklet for
Yxy(28.4389, 0.2735, 0.3850)
contains.

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Color

Yxy(28.3125, 0.2732, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	559F81
RGB	85, 159, 129
RGB Percent	33%, 62%, 51%
CMY	0.6667, 0.3765, 0.4941
CMYK	0.47, 0.00, 0.19, 0.38
HSL	156°, 30%, 48%
HSV	156°, 47%, 62%
XYZ	20.1065, 28.3125, 25.1773
YIQ	133.4540, -34.4740, -25.0180

Conversions

Conversions Part 2

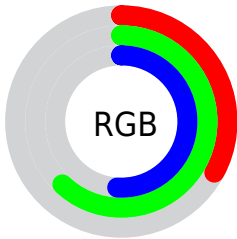
Format	Color
R_{YB}	85, 131, 159
Decimal	5611393
CIE Lab	60.17, -30.40, 8.57
CIE LCh	60, 31.582, 164.254
Yxy	28.3125, 0.2732, 0.3847
Android (android.graphics.Color)	4283801473 (0xFF559F81)
YUV	133.4540, -2.1958, -42.4942
Hunter-Lab	53.2095, -25.6660, 9.1922

Details

The Yxy color **28.3125, 0.2732, 0.3847** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.1040, 0.3837, 0.2808**, and the grayscale version is **23.6470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9595, 0.2818, 0.3721**, and **11.3706, 0.2585, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **27.4853, 0.2675, 0.3994**, and if you desaturate by 10%, it is **29.3200, 0.2803, 0.3709**.

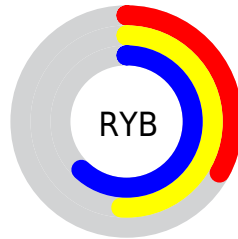
Distribution



Red (33%)

Green (62%)

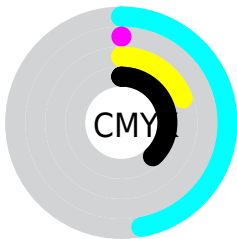
Blue (51%)



Red (33%)

Yellow (51%)

Blue (62%)

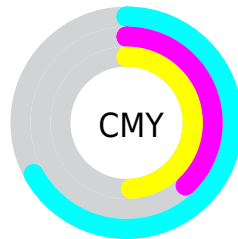


Cyan (47%)

Magenta (0%)

Yellow (19%)

Black (38%)



Cyan (67%)


Magenta (38%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3125, 0.2732, 0.3847 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 28.3125, 0.2732, 0.3847 by changing the saturation by 10% instead.


 28.3125, 0.2732,
0.3847


 28.3125, 0.2732,
0.3847


293.9572, 0.2950,
0.3535


 18.5614, 0.2669,
0.3938


 56.9830, 0.2817,
0.3725


 11.3538, 0.2583,
0.4065


 76.6711, 0.2847,
0.3681


 6.3053, 0.2458,
0.4252


 100.4403, 0.2872,
0.3646

 3.0316, 0.2259,
0.4557

 128.6751, 0.2893,
0.3617

 1.1483, 0.1560,
0.5460

 161.7598, 0.2910,
0.3592

 0.0188, 0.0000,
1.0000

200.0787, 0.2926,

 0.0000, 0.0000,

0.3570

0.0000

244.0164, 0.2939,
0.3552

■ 28.3125, 0.2732,
0.3847

■ 28.3125, 0.2732,
0.3847

■ 27.4853, 0.2675,
0.3994

■ 29.3200, 0.2803,
0.3709

■ 26.8234, 0.2633,
0.4146

■ 30.5149, 0.2884,
0.3580

■ 26.3151, 0.2610,
0.4301


■ 31.9079, 0.2972,
0.3462


■ 25.9453, 0.2607,
0.4456


■ 33.5080, 0.3065,
0.3354


■ 25.6922, 0.2621,
0.4608

■ 35.3237, 0.3160,
0.3258

 25.6160, 0.2628,
0.4660

 37.3628, 0.3256,
0.3172

 39.6330, 0.3350,
0.3096

 42.1413, 0.3443,
0.3029

 44.8946, 0.3532,
0.2970

Harmonies

Analogous

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



28.3125, 0.3230, 0.4186



28.3125, 0.2732, 0.3847



28.3125, 0.2360, 0.3330

Triad

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



28.3125, 0.2732, 0.3847



28.3125, 0.2511, 0.2462



28.3125, 0.4163, 0.3586

Complementary

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



28.3125, 0.2732, 0.3847



15.1040, 0.3837, 0.2808

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.



28.3125, 0.3944, 0.3176



28.3125, 0.2732, 0.3847



28.3125, 0.2955, 0.2558

Square

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



28.3125, 0.2732, 0.3847



28.3125, 0.2245, 0.2557



28.3125, 0.3486, 0.2812



28.3125, 0.4073, 0.3966

Rectangle

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



28.3125, 0.2732, 0.3847



28.3125, 0.2223, 0.2999



28.3125, 0.3486, 0.2812



28.3125, 0.4124, 0.3449

Sweetspot

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



28.3136, 0.2732, 0.3847



57.7621, 0.2993, 0.3436



29.1546, 0.3343, 0.4593



12.8968, 0.2974, 0.3459



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.



28.3136, 0.2732, 0.3847



49.1529, 0.2672, 0.4001



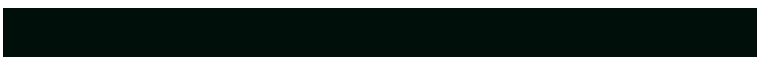
27.1629, 0.2501, 0.3179



7.4639, 0.3040, 0.3382



20.2397, 0.2624, 0.4647



0.3701, 0.2456, 0.4041

Inverse Universe

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



15.1040, 0.3837, 0.2808



22.4906, 0.4090, 0.2713



15.5361, 0.4301, 0.3394



6.6885, 0.3224, 0.3200



6.1259, 0.5307, 0.2697



0.1177, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 28.3125, 0.2732, 0.3847 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 28.3125, 0.2732, 0.3847 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 28.3125, 0.2732, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 28.3125, 0.2732, 0.3847.



This preview shows how white text looks on a background with the Yxy color 28.3125, 0.2732, 0.3847.

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

28.3125, 0.2732, 0.3847

Protanopia

28.0024, 0.3448, 0.3661

Deuteranopia

27.8401, 0.3448, 0.3384



Tritanopia

28.2973, 0.2523, 0.3083

Trichromacy



Original Color

28.3125, 0.2732, 0.3847

Protanomaly

27.5393, 0.3148, 0.3722

Deuteranomaly

27.2920, 0.3137, 0.3527

Tritanomaly

28.3010, 0.2592, 0.3341

Monochromacy



Original Color

28.3125, 0.2732, 0.3847

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.7249, 0.2953, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3125, 0.2732, 0.3847 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(85, 159, 129)` looks like.

```
.text, #text, p{  
    color:rgb(85, 159, 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(85, 159, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 129) }
```

Border

The CSS property to change the border of an element to Yxy 28.3125, 0.2732, 0.3847 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(85, 159, 129) }
```

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

```
.border{ border-color:rgb(85, 159, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 159, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 129);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
129) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 28.3125, 0.2732, 0.3847$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 129) }
```

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

```
.background{ background-color: rgb(85, 159,  
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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