

Converting Colors

$Y_{xy}(29.6759, 0.2791, 0.4008)$

Have a look what the booklet for
Yxy(29.6759, 0.2791, 0.4008)
contains.

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Color

$Y_{xy}(29.6759, 0.2791, 0.4008)$

Conversions

Conversions Part 1

Format	Color
Hex	57A37C
RGB	87, 163, 124
RGB Percent	34%, 64%, 49%
CMY	0.6588, 0.3608, 0.5138
CMYK	0.47, 0.00, 0.24, 0.36
HSL	149°, 30%, 49%
HSV	149°, 47%, 64%
XYZ	20.6650, 29.6759, 23.7007
YIQ	135.8300, -32.7770, -28.2410

Conversions

Conversions Part 2

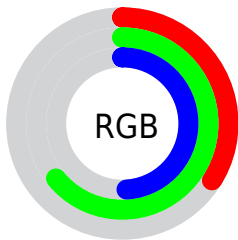
Format	Color
R_{YB}	87, 138, 163
Decimal	5743484
CIE _{Lab}	61.37, -32.85, 13.09
CIE _{LCh}	61, 35.365, 158.269
Yxy	29.6759, 0.2791, 0.4008
Android (android.graphics.Color)	4283933564 (0xFF57A37C)
YUV	135.8300, -5.8322, -42.8239
Hunter-Lab	54.4756, -27.6192, 12.3376

Details

The Yxy color $29.6759, 0.2791, 0.4008$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.1114, 0.3709, 0.2682$, and the grayscale version is $24.5855, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.9799, 0.2863, 0.3839$, and $12.1840, 0.2664, 0.4299$ is the 20% darker color. If you saturate the color by 10%, you get $28.7762, 0.2743, 0.4198$, and if you desaturate by 10%, it is $30.7731, 0.2851, 0.3829$.

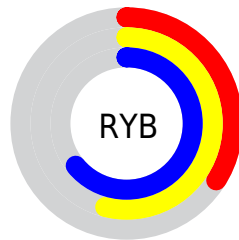
Distribution



Red (34%)

Green (64%)

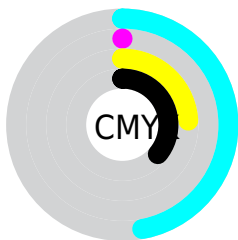
Blue (49%)



Red (34%)

Yellow (54%)

Blue (64%)

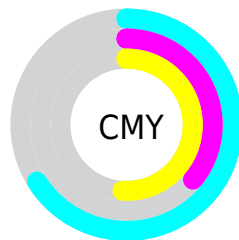


Cyan (47%)

Magenta (0%)

Yellow (24%)

Black (36%)



Cyan (66%)

Magenta (36%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6759, 0.2791, 0.4008 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 29.6759, 0.2791, 0.4008 by changing the saturation by 10% instead.

 29.6759, 0.2791,
0.4008


 29.6759, 0.2791,
0.4008


300.3908, 0.2980,
0.3605


 19.5927, 0.2736,
0.4126


 59.1493, 0.2865,
0.3850

 12.0993, 0.2659,
0.4290


 79.3082, 0.2891,
0.3794

 6.8114, 0.2545,
0.4533


 103.5946, 0.2913,
0.3748

 3.3444, 0.2362,
0.4925

 132.3927, 0.2930,
0.3710

 1.3141, 0.1824,
0.6071

166.0870, 0.2946,
0.3678

 0.1521, 0.0000,
1.0000

205.0618, 0.2959,

 0.0000, 0.0000,

0.3650

0.0000

249.7016, 0.2970,
0.3626

■ 29.6759, 0.2791,
0.4008

■ 29.6759, 0.2791,
0.4008

■ 28.7762, 0.2743,
0.4198

■ 30.7731, 0.2851,
0.3829

■ 28.0580, 0.2711,
0.4395

■ 32.0756, 0.2920,
0.3662

■ 27.5083, 0.2696,
0.4593

■ 33.5951, 0.2995,
0.3510


■ 27.1109, 0.2701,
0.4789

■ 35.3414, 0.3074,
0.3373


■ 26.8425, 0.2724,
0.4975

■ 37.3235, 0.3154,
0.3250

 26.7648, 0.2732,
0.5037

 39.5501, 0.3234,
0.3141

 42.0295, 0.3312,
0.3045

 44.7693, 0.3388,
0.2961

 47.7771, 0.3461,
0.2887

Harmonies

Analogous

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



29.6759, 0.3347, 0.4318



29.6759, 0.2791, 0.4008



29.6759, 0.2350, 0.3449

Triad

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



29.6759, 0.2791, 0.4008



29.6759, 0.2377, 0.2390



29.6759, 0.4248, 0.3516

Complementary

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



29.6759, 0.2791, 0.4008



16.1114, 0.3709, 0.2682

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.



29.6759, 0.3944, 0.3076



29.6759, 0.2791, 0.4008



29.6759, 0.2826, 0.2457

Square

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



29.6759, 0.2791, 0.4008



29.6759, 0.2134, 0.2531



29.6759, 0.3403, 0.2701



29.6759, 0.4212, 0.3948

Rectangle

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



29.6759, 0.2791, 0.4008



29.6759, 0.2172, 0.3067



29.6759, 0.3403, 0.2701



29.6759, 0.4183, 0.3366

Sweetspot

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



29.6771, 0.2791, 0.4008



60.8649, 0.3014, 0.3476



31.3404, 0.3419, 0.4566



13.5320, 0.2998, 0.3506



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.6771, 0.2791, 0.4008



51.4735, 0.2742, 0.4206



30.8217, 0.2527, 0.3310



7.9498, 0.3053, 0.3408



20.8092, 0.2728, 0.5020



0.4468, 0.2538, 0.4337

Inverse Universe

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



16.1114, 0.3709, 0.2682



24.1285, 0.3907, 0.2561



15.3134, 0.4337, 0.3274



7.1438, 0.3208, 0.3175



6.5546, 0.4863, 0.2453



0.1472, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 29.6759, 0.2791, 0.4008 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 29.6759, 0.2791, 0.4008 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 29.6759, 0.2791, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 29.6759, 0.2791, 0.4008.



This preview shows how white text looks on a background with the Yxy color 29.6759, 0.2791, 0.4008.

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

29.6759, 0.2791, 0.4008

Protanopia

29.2965, 0.3546, 0.3779

Deuteranopia

29.2558, 0.3551, 0.3488



Tritanopia

29.6689, 0.2532, 0.3071

Trichromacy



Original Color

29.6759, 0.2791, 0.4008

Protanomaly

29.0199, 0.3230, 0.3868

Deuteranomaly

28.8340, 0.3233, 0.3672

Tritanomaly

29.5291, 0.2628, 0.3393

Monochromacy



Original Color

29.6759, 0.2791, 0.4008

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.0753, 0.2974, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6759, 0.2791, 0.4008 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, 163, 124)` looks like.

```
.text, #text, p{  
    color:rgb(87, 163, 124)  
}
```

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, 163, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 163, 124) }
```

Border

The CSS property to change the border of an element to Yxy 29.6759, 0.2791, 0.4008 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, 163, 124) }
```

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

```
.border{ border-color:rgb(87, 163, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 163, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 163, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 163, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 163,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6759, 0.2791, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 163, 124) }
```

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

```
.background{ background-color: rgb(87, 163,  
124) }
```

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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