

Converting Colors

$Y_{xy}(28.9740, 0.3202, 0.4657)$

Have a look what the booklet for
Yxy(28.9740, 0.3202, 0.4657)
contains.

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Color

Yxy(28.9864, 0.3198, 0.4657)

Conversions

Conversions Part 1

Format	Color
Hex	66A156
RGB	102, 161, 86
RGB Percent	40%, 63%, 34%
CMY	0.6000, 0.3686, 0.6627
CMYK	0.37, 0.00, 0.47, 0.37
HSL	107°, 30%, 48%
HSV	107°, 47%, 63%
XYZ	19.9052, 28.9864, 13.3510
YIQ	134.8090, -11.0890, -35.8330

Conversions

Conversions Part 2

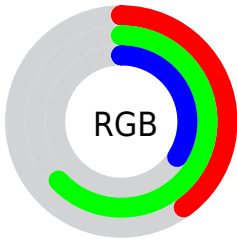
Format	Color
R_{YB}	86, 161, 145
Decimal	6725974
CIE _{Lab}	60.77, -33.98, 33.00
CIE _{LCh}	61, 47.367, 135.837
Yxy	28.9864, 0.3198, 0.4657
Android (android.graphics.Color)	4284916054 (0xFF66A156)
YUV	134.8090, -24.0628, -28.7735
Hunter-Lab	53.8390, -28.2238, 22.9845

Details

The Yxy color $28.9864, 0.3198, 0.4657$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.2495, 0.2968, 0.2112$, and the grayscale version is $24.2496, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.9858, 0.3208, 0.4348$, and $11.7553, 0.3154, 0.5198$ is the 20% darker color. If you saturate the color by 10%, you get $28.0723, 0.3196, 0.4984$, and if you desaturate by 10%, it is $30.0745, 0.3192, 0.4328$.

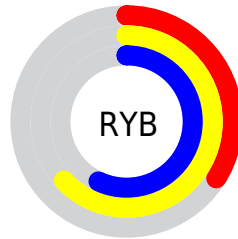
Distribution



Red (40%)

Green (63%)

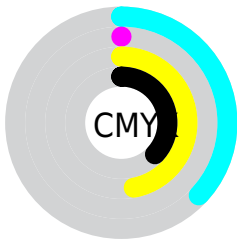
Blue (34%)



Red (34%)

Yellow (63%)

Blue (57%)

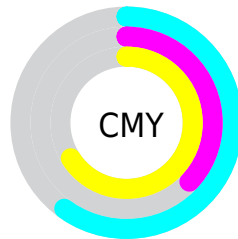


Cyan (37%)

Magenta (0%)

Yellow (47%)

Black (37%)



Cyan (60%)


Magenta (37%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9864, 0.3198, 0.4657 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 28.9864, 0.3198, 0.4657 by changing the saturation by 10% instead.


 28.9864, 0.3198,
0.4657


 28.9864, 0.3198,
0.4657


297.1508, 0.3189,
0.3880

 19.0705, 0.3185,
0.4885


 58.0555, 0.3204,
0.4350


 11.7213, 0.3155,
0.5197


 77.9775, 0.3204,
0.4243


 6.5542, 0.3085,
0.5647


 102.0036, 0.3202,
0.4154

 3.1849, 0.3027,
0.6568

 130.5184, 0.3199,
0.4081

 1.2290, 0.1982,
0.8018

 163.9061, 0.3197,
0.4019

 0.0852, 0.0000,
1.0000

202.5511, 0.3194,

 0.0000, 0.0000,

0.3966

0.0000

246.8379, 0.3192,
0.3920

■ 28.9864, 0.3198,
0.4657

■ 28.9864, 0.3198,
0.4657

■ 28.0723, 0.3196,
0.4984

■ 30.0745, 0.3192,
0.4328

■ 27.3193, 0.3184,
0.5291

■ 31.3413, 0.3179,
0.4012

■ 26.7189, 0.3162,
0.5556

■ 32.7958, 0.3161,
0.3718

■ 26.2596, 0.3130,
0.5761

■ 34.4454, 0.3141,
0.3451

■ 25.9276, 0.3093,
0.5896


■ 36.2971, 0.3120,
0.3211

 25.8364, 0.3082,
0.5935

 38.3574, 0.3098,
0.3000

 40.6326, 0.3076,
0.2814

 43.1289, 0.3055,
0.2651

 45.8519, 0.3035,
0.2509

Harmonies

Analogous

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



28.9864, 0.3922, 0.4650



28.9864, 0.3198, 0.4657



28.9864, 0.2494, 0.4108

Triad

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



28.9864, 0.3198, 0.4657



28.9864, 0.1892, 0.2215



28.9864, 0.4375, 0.3125

Complementary

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



28.9864, 0.3198, 0.4657



15.2495, 0.2968, 0.2112

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.



28.9864, 0.3690, 0.2629



28.9864, 0.3198, 0.4657



28.9864, 0.2263, 0.2123

Square

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



28.9864, 0.3198, 0.4657



28.9864, 0.1799, 0.2594



28.9864, 0.2898, 0.2274



28.9864, 0.4663, 0.3688

Rectangle

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



28.9864, 0.3198, 0.4657



28.9864, 0.2132, 0.3557



28.9864, 0.2898, 0.2274



28.9864, 0.4179, 0.2949

Sweetspot

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



28.9876, 0.3198, 0.4657



59.3865, 0.3157, 0.3654



28.4245, 0.3904, 0.4193



12.8985, 0.3161, 0.3710



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.



28.9876, 0.3198, 0.4657



50.2042, 0.3196, 0.4999



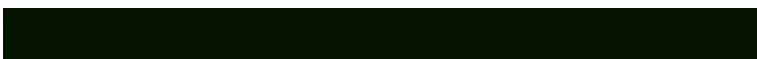
28.5359, 0.2905, 0.4307



7.9645, 0.3147, 0.3520



20.6495, 0.3086, 0.5931



0.4523, 0.3322, 0.5745

Inverse Universe

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



15.2495, 0.2968, 0.2112



22.4674, 0.2917, 0.1865



16.1201, 0.3473, 0.2461



7.1256, 0.3105, 0.3066



5.6548, 0.2684, 0.1252



0.1369, 0.2887, 0.1364

Previews

White Background



This preview shows how the Yxy color 28.9864, 0.3198, 0.4657 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 28.9864, 0.3198, 0.4657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

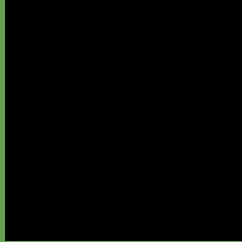
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9864, 0.3198, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 28.9864, 0.3198, 0.4657.



This preview shows how white text looks on a background with the Yxy color 28.9864, 0.3198, 0.4657.

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

28.9864, 0.3198, 0.4657

Protanopia

28.6254, 0.3931, 0.4284

Deuteranopia

28.4507, 0.4069, 0.3988



Tritanopia

28.8498, 0.2692, 0.3091

Trichromacy



Original Color

28.9864, 0.3198, 0.4657

Protanomaly

28.2467, 0.3641, 0.4418

Deuteranomaly

27.9783, 0.3723, 0.4229

Tritanomaly

28.5998, 0.2878, 0.3623

Monochromacy



Original Color

28.9864, 0.3198, 0.4657

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4418, 0.3168, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9864, 0.3198, 0.4657 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(102, 161, 86)` looks like.

```
.text, #text, p{  
    color:rgb(102, 161, 86)  
}
```

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(102, 161, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 161, 86) }
```

Border

The CSS property to change the border of an element to Yxy 28.9864, 0.3198, 0.4657 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(102, 161, 86) }
```

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

```
.border{ border-color:rgb(102, 161, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 161, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 161, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 161, 86);  
box-shadow:4px 4px 4px 4px rgb(102, 161,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9864, 0.3198, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 161, 86) }
```

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

```
.background{ background-color: rgb(102,  
161, 86) }
```

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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