

Converting Colors

$Yxy(30.9607, 0.2867, 0.3908)$

Have a look what the booklet for
Yxy(30.9607, 0.2867, 0.3908)
contains.

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Color

Yxy(30.9607, 0.2867, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	66A481
RGB	102, 164, 129
RGB Percent	40%, 64%, 51%
CMY	0.6002, 0.3568, 0.4941
CMYK	0.38, 0.00, 0.21, 0.36
HSL	146°, 25%, 52%
HSV	146°, 38%, 64%
XYZ	22.7135, 30.9607, 25.5497
YIQ	141.4720, -25.7170, -24.0290

Conversions

Conversions Part 2

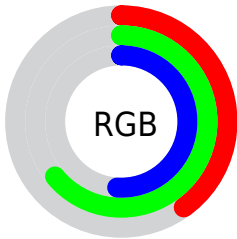
Format	Color
RYB	102, 145, 164
Decimal	6726785
CIELab	62.47, -27.97, 11.94
CIElCh	62, 30.416, 156.883
Yxy	30.9607, 0.2867, 0.3908
Android (android.graphics.Color)	4284916865 (0xFF66A481)
YUV	141.4720, -6.1487, -34.6169
Hunter-Lab	55.6423, -24.5095, 11.7250

Details

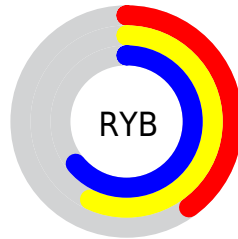
The Yxy color **30.9607, 0.2867, 0.3908** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.1917, 0.3519, 0.2749**, and the grayscale version is **26.8599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0090, 0.2922, 0.3770**, and **12.8713, 0.2768, 0.4139** is the 20% darker color. If you saturate the color by 10%, you get **29.8622, 0.2813, 0.4108**, and if you desaturate by 10%, it is **32.2736, 0.2930, 0.3722**.

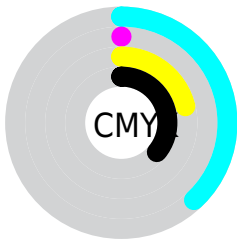
Distribution



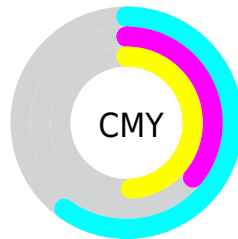
- Red (40%)
- Green (64%)
- Blue (51%)



- Red (40%)
- Yellow (57%)
- Blue (64%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (36%)





- Cyan (60%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9607, 0.2867, 0.3908 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 30.9607, 0.2867, 0.3908 by changing the saturation by 10% instead.


 30.9607, 0.2867,
0.3908

 30.9607, 0.2867,
0.3908


306.3572, 0.3012,
0.3565

 20.5689, 0.2825,
0.4007


 61.1782, 0.2924,
0.3774

 12.8093, 0.2767,
0.4143


 81.7727, 0.2944,
0.3727

 7.2973, 0.2681,
0.4342


 106.5369, 0.2960,
0.3688

 3.6487, 0.2544,
0.4659

 135.8552, 0.2974,
0.3655

 1.4791, 0.2267,
0.5325

170.1120, 0.2986,
0.3628

 0.2739, 0.0000,
1.0000

209.6917, 0.2996,

 0.0000, 0.0000,

0.3604

0.0000

254.9786, 0.3004,
0.3583

■ 30.9607, 0.2867,
0.3908

■ 30.9607, 0.2867,
0.3908

■ 29.8622, 0.2813,
0.4108

■ 32.2736, 0.2930,
0.3722

■ 28.9624, 0.2772,
0.4319

■ 33.8079, 0.2998,
0.3552

■ 28.2495, 0.2745,
0.4536

■ 35.5751, 0.3070,
0.3399

■ 27.7090, 0.2736,
0.4753


■ 37.5846, 0.3143,
0.3262


■ 27.3237, 0.2746,
0.4963


■ 39.8453, 0.3216,
0.3140

 27.0655, 0.2772,
0.5160

 42.3658, 0.3287,
0.3034

 27.0163, 0.2778,
0.5201

 45.1541, 0.3355,
0.2940

 48.2179, 0.3421,
0.2858

 51.5647, 0.3484,
0.2787

Harmonies

Analogous

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



30.9607, 0.3345, 0.4157



30.9607, 0.2867, 0.3908



30.9607, 0.2478, 0.3452

Triad

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



30.9607, 0.2867, 0.3908



30.9607, 0.2470, 0.2516



30.9607, 0.4071, 0.3478

Complementary

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



30.9607, 0.2867, 0.3908



19.1917, 0.3519, 0.2749

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.



30.9607, 0.3801, 0.3094



30.9607, 0.2867, 0.3908



30.9607, 0.2853, 0.2563

Square

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



30.9607, 0.2867, 0.3908



30.9607, 0.2265, 0.2655



30.9607, 0.3342, 0.2770



30.9607, 0.4059, 0.3849

Rectangle

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



30.9607, 0.2867, 0.3908



30.9607, 0.2315, 0.3130



30.9607, 0.3342, 0.2770



30.9607, 0.4010, 0.3347

Sweetspot

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



30.9620, 0.2867, 0.3908



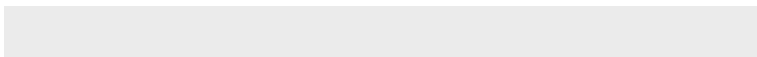
63.4367, 0.3046, 0.3448



32.8416, 0.3405, 0.4300



13.7782, 0.3036, 0.3468



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.



30.9620, 0.2867, 0.3908



54.5649, 0.2823, 0.4067



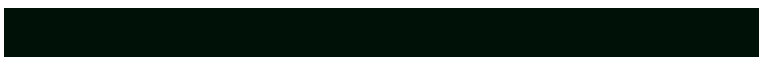
31.9105, 0.2640, 0.3358



7.9439, 0.3060, 0.3420



20.7209, 0.2773, 0.5183



0.4448, 0.2573, 0.4461

Inverse Universe

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



19.1917, 0.3519, 0.2749



30.2238, 0.3637, 0.2635



18.4293, 0.3968, 0.3227



7.1497, 0.3201, 0.3164



6.6605, 0.4655, 0.2338



0.1492, 0.4008, 0.1982

Previews

White Background



This preview shows how the Yxy color 30.9607, 0.2867, 0.3908 looks on a white background.

Color Contrast Check

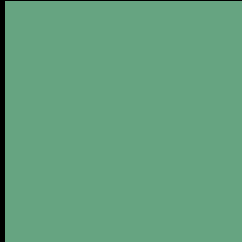
Large Text (above 18pt) WCAG AA × Fail

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 30.9607, 0.2867, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

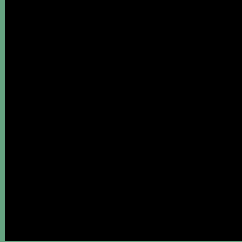
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9607, 0.2867, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 30.9607, 0.2867, 0.3908.



This preview shows how white text looks on a background with the Yxy color 30.9607, 0.2867, 0.3908.

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

30.9607, 0.2867, 0.3908

Protanopia

30.5888, 0.3497, 0.3725

Deuteranopia

30.6022, 0.3532, 0.3469



Tritanopia

30.7735, 0.2613, 0.3077

Trichromacy



Original Color

30.9607, 0.2867, 0.3908

Protanomaly

30.3266, 0.3233, 0.3785

Deuteranomaly

30.2334, 0.3255, 0.3612

Tritanomaly

30.7301, 0.2704, 0.3356

Monochromacy



Original Color

30.9607, 0.2867, 0.3908

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.8131, 0.3017, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9607, 0.2867, 0.3908 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, 164, 129)` looks like.

```
.text, #text, p{  
    color:rgb(102, 164, 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(102, 164, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 164, 129) }
```

Border

The CSS property to change the border of an element to Yxy 30.9607, 0.2867, 0.3908 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, 164, 129) }
```

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

```
.border{ border-color:rgb(102, 164, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 164, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 164, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 164, 129);  
box-shadow:4px 4px 4px 4px rgb(102, 164,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9607, 0.2867, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 164, 129) }
```

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

```
.background{ background-color: rgb(102,  
164, 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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