

Converting Colors

$Y_{xy}(22.8948, 0.3326, 0.4812)$

Have a look what the booklet for
Yxy(22.8948, 0.3326, 0.4812)
contains.

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Color

Yxy(22.8386, 0.3326, 0.4805)

Conversions

Conversions Part 1

Format	Color
Hex	609043
RGB	96, 144, 67
RGB Percent	38%, 56%, 26%
CMY	0.6236, 0.4353, 0.7373
CMYK	0.33, 0.00, 0.53, 0.44
HSL	97°, 37%, 41%
HSV	97°, 53%, 56%
XYZ	15.8088, 22.8386, 8.8835
YIQ	120.8700, -3.8910, -34.1230

Conversions

Conversions Part 2

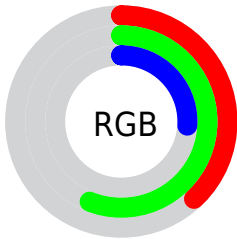
Format	Color
RYB	67, 144, 115
Decimal	6328387
CIELab	54.91, -30.66, 35.51
CIELCh	55, 46.910, 130.805
Yxy	22.8386, 0.3326, 0.4805
Android (android.graphics.Color)	4284518467 (0xFF609043)
YUV	120.8700, -26.5579, -21.8110
Hunter-Lab	47.7897, -24.5845, 22.4315

Details

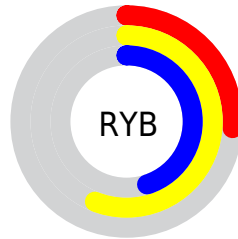
The Yxy color $22.8386, 0.3326, 0.4805$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $9.6728, 0.2751, 0.1886$, and the grayscale version is $19.1638, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0621, 0.3312, 0.4447$, and $8.4303, 0.3301, 0.5451$ is the 20% darker color. If you saturate the color by 10%, you get $22.2283, 0.3334, 0.5097$, and if you desaturate by 10%, it is $23.5495, 0.3304, 0.4499$.

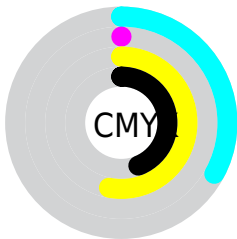
Distribution



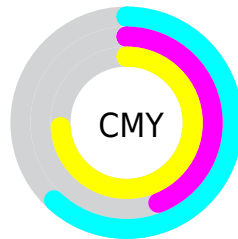
- Red (38%)
- Green (56%)
- Blue (26%)



- Red (26%)
- Yellow (56%)
- Blue (45%)



- Cyan (33%)
- Magenta (0%)
- Yellow (53%)
- Black (44%)





- Cyan (62%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8386, 0.3326, 0.4805 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 22.8386, 0.3326, 0.4805 by changing the saturation by 10% instead.


 22.8386, 0.3326,
0.4805


 22.8386, 0.3326,
0.4805


266.8949, 0.3252,
0.3919


 14.4744, 0.3323,
0.5075


 48.1282, 0.3311,
0.4448


 8.4513, 0.3298,
0.5449


 65.8223, 0.3301,
0.4325

 4.3851, 0.3239,
0.6044

 87.3952, 0.3291,
0.4225

 1.8912, 0.3025,
0.6975

 113.2313, 0.3282,
0.4142

 0.5431, 0.0000,
1.0000

 143.7149, 0.3274,
0.4073

 0.0000, 0.0000,
0.0000

179.2304, 0.3266,

0.4014

220.1623, 0.3259,
0.3963

■ 22.8386, 0.3326,
0.4805

■ 22.8386, 0.3326,
0.4805

■ 22.2283, 0.3334,
0.5097

■ 23.5495, 0.3304,
0.4499

■ 21.7105, 0.3325,
0.5359

■ 24.3628, 0.3272,
0.4194

■ 21.2805, 0.3299,
0.5575

■ 25.2837, 0.3233,
0.3900

■ 20.9318, 0.3258,
0.5733

■ 26.3164, 0.3189,
0.3625

■ 20.7387, 0.3228,
0.5819

■ 27.4647, 0.3143,
0.3372

■ 28.7323, 0.3097,
0.3143

■ 30.1226, 0.3052,
0.2938

■ 31.6390, 0.3008,
0.2755

■ 33.2847, 0.2967,
0.2593

Harmonies

Analogous

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



22.8386, 0.4080, 0.4686



22.8386, 0.3326, 0.4805



22.8386, 0.2560, 0.4309

Triad

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



22.8386, 0.3326, 0.4805



22.8386, 0.1782, 0.2190



22.8386, 0.4364, 0.3013

Complementary

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



22.8386, 0.3326, 0.4805



9.6728, 0.2751, 0.1886

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.



22.8386, 0.3583, 0.2511



22.8386, 0.3326, 0.4805



22.8386, 0.2122, 0.2050

Square

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



22.8386, 0.3326, 0.4805



22.8386, 0.1733, 0.2641



22.8386, 0.2749, 0.2171



22.8386, 0.4755, 0.3598

Rectangle

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



22.8386, 0.3326, 0.4805



22.8386, 0.2149, 0.3727



22.8386, 0.2749, 0.2171



22.8386, 0.4132, 0.2833

Sweetspot

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



22.8396, 0.3326, 0.4805



45.8724, 0.3202, 0.3701



18.4791, 0.4134, 0.4110



10.4424, 0.3210, 0.3751



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8396, 0.3326, 0.4805



39.0223, 0.3333, 0.5148



21.6629, 0.2984, 0.4756



6.1221, 0.3169, 0.3513



18.0705, 0.3232, 0.5815



0.1847, 0.3575, 0.5543

Inverse Universe

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



9.6728, 0.2751, 0.1886



13.2566, 0.2637, 0.1595



11.6930, 0.3323, 0.2173



5.4110, 0.3081, 0.3069



3.6509, 0.2306, 0.1044



0.0475, 0.2727, 0.1276

Previews

White Background



This preview shows how the Yxy color 22.8386, 0.3326, 0.4805 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 22.8386, 0.3326, 0.4805 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 22.8386, 0.3326, 0.4805

Background



This preview shows how black text looks on a background with the Yxy color 22.8386, 0.3326, 0.4805.



This preview shows how white text looks on a background with the Yxy color 22.8386, 0.3326, 0.4805.

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

22.8386, 0.3326, 0.4805

Protanopia

22.6112, 0.4035, 0.4410

Deuteranopia

22.6087, 0.4190, 0.4119



Tritanopia

22.5914, 0.2740, 0.3089

Trichromacy



Original Color

22.8386, 0.3326, 0.4805

Protanomaly

22.4905, 0.3757, 0.4572

Deuteranomaly

22.2631, 0.3858, 0.4366

Tritanomaly

22.4044, 0.2971, 0.3696

Monochromacy



Original Color

22.8386, 0.3326, 0.4805

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.0848, 0.3230, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8386, 0.3326, 0.4805 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(96, 144, 67)` looks like.

```
.text, #text, p{  
    color:rgb(96, 144, 67)  
}
```

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(96, 144, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 144, 67) }
```

Border

The CSS property to change the border of an element to Yxy 22.8386, 0.3326, 0.4805 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(96, 144, 67) }
```

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

```
.border{ border-color:rgb(96, 144, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 144, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 144, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 144, 67);  
box-shadow:4px 4px 4px 4px rgb(96, 144,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8386, 0.3326, 0.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 144, 67) }
```

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

```
.background{ background-color: rgb(96, 144,  
67) }
```

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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