

Converting Colors

$Y_{xy}(22.7748, 0.2786, 0.4070)$

Have a look what the booklet for
Yxy(22.7748, 0.2786, 0.4070)
contains.

Yxy(22.7288, 0.2786, 0.4078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.7288, 0.2786, 0.4078)$

Conversions

Conversions Part 1

Format	Color
Hex	49916B
RGB	73, 145, 107
RGB Percent	29%, 57%, 42%
CMY	0.7137, 0.4314, 0.5804
CMYK	0.50, 0.00, 0.26, 0.43
HSL	148°, 33%, 43%
HSV	148°, 50%, 57%
XYZ	15.5278, 22.7288, 17.4785
YIQ	119.1400, -30.7140, -27.0820

Conversions

Conversions Part 2

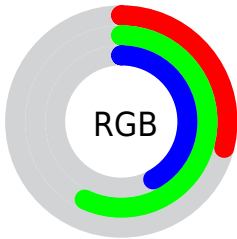
Format	Color
RYB	73, 122, 145
Decimal	4821355
CIELab	54.79, -31.80, 13.36
CIELCh	55, 34.495, 157.214
Yxy	22.7288, 0.2786, 0.4078
Android (android.graphics.Color)	4283011435 (0xFF49916B)
YUV	119.1400, -5.9850, -40.4648
Hunter-Lab	47.6747, -25.2927, 11.6354

Details

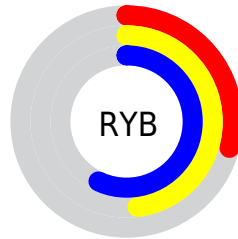
The Yxy color $22.7288, 0.2786, 0.4078$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.9354, 0.3736, 0.2633$, and the grayscale version is $18.5228, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7511, 0.2870, 0.3893$, and $8.4227, 0.2638, 0.4454$ is the 20% darker color. If you saturate the color by 10%, you get $22.0736, 0.2743, 0.4274$, and if you desaturate by 10%, it is $23.5322, 0.2841, 0.3892$.

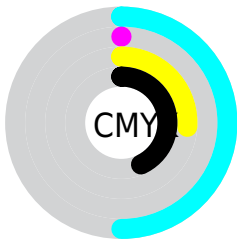
Distribution



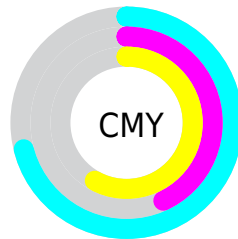
- Red (29%)
- Green (57%)
- Blue (42%)



- Red (29%)
- Yellow (48%)
- Blue (57%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (43%)





- Cyan (71%)
- Magenta (43%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7288, 0.2786, 0.4078 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 22.7288, 0.2786, 0.4078 by changing the saturation by 10% instead.


 22.7288, 0.2786,
0.4078


 22.7288, 0.2786,
0.4078


266.3290, 0.2986,
0.3617

 14.3934, 0.2723,
0.4223


 47.9476, 0.2868,
0.3891


 8.3948, 0.2631,
0.4432


 65.5998, 0.2896,
0.3827


 4.3486, 0.2486,
0.4759

 87.1264, 0.2918,
0.3775

 1.8704, 0.2229,
0.5345

 112.9118, 0.2936,
0.3733

 0.5305, 0.0000,
1.0000

 143.3403, 0.2952,
0.3697

 0.0000, 0.0000,
0.0000

178.7965, 0.2965,

0.3666

219.6645, 0.2976,
0.3640

■ 22.7288, 0.2786,
0.4078

■ 22.7288, 0.2786,
0.4078

■ 22.0736, 0.2743,
0.4274

■ 23.5322, 0.2841,
0.3892

■ 21.5542, 0.2716,
0.4475

■ 24.4897, 0.2906,
0.3718

■ 21.1605, 0.2707,
0.4677


■ 25.6104, 0.2977,
0.3559


■ 20.8798, 0.2717,
0.4873


■ 26.9017, 0.3053,
0.3415

■ 20.6806, 0.2740,
0.5061


■ 28.3707, 0.3130,
0.3286

 20.6739, 0.2741,
0.5067

 30.0240, 0.3207,
0.3171

 31.8679, 0.3283,
0.3069

 33.9082, 0.3357,
0.2979

 36.1508, 0.3428,
0.2901

Harmonies

Analogous

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



22.7288, 0.3378, 0.4395



22.7288, 0.2786, 0.4078



22.7288, 0.2314, 0.3479

Triad

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



22.7288, 0.2786, 0.4078



22.7288, 0.2318, 0.2338



22.7288, 0.4317, 0.3507

Complementary

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



22.7288, 0.2786, 0.4078



11.9354, 0.3736, 0.2633

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.



22.7288, 0.3981, 0.3045



22.7288, 0.2786, 0.4078



22.7288, 0.2786, 0.2403

Square

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



22.7288, 0.2786, 0.4078



22.7288, 0.2071, 0.2493



22.7288, 0.3397, 0.2655



22.7288, 0.4287, 0.3967

Rectangle

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



22.7288, 0.2786, 0.4078



22.7288, 0.2122, 0.3068



22.7288, 0.3397, 0.2655



22.7288, 0.4243, 0.3349

Sweetspot

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



22.7297, 0.2786, 0.4078



46.8272, 0.3010, 0.3495



24.1384, 0.3443, 0.4634



10.3229, 0.2996, 0.3522



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.



22.7297, 0.2786, 0.4078



39.3647, 0.2738, 0.4306



23.6393, 0.2511, 0.3334



6.0691, 0.3056, 0.3408



17.7378, 0.2738, 0.5056



0.1740, 0.2516, 0.4257

Inverse Universe

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



11.9354, 0.3736, 0.2633



17.6343, 0.3954, 0.2504



11.3010, 0.4416, 0.3252



5.4687, 0.3204, 0.3174



5.6227, 0.4791, 0.2413



0.0582, 0.3968, 0.1960

Previews

White Background



This preview shows how the Yxy color 22.7288, 0.2786, 0.4078 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 22.7288, 0.2786, 0.4078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

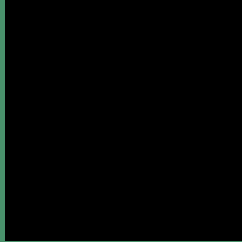
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7288, 0.2786, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 22.7288, 0.2786, 0.4078.



This preview shows how white text looks on a background with the Yxy color 22.7288, 0.2786, 0.4078.

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

22.7288, 0.2786, 0.4078

Protanopia

22.3743, 0.3573, 0.3820

Deuteranopia

22.2990, 0.3603, 0.3527



Tritanopia

22.6309, 0.2513, 0.3064

Trichromacy



Original Color

22.7288, 0.2786, 0.4078

Protanomaly

21.9521, 0.3233, 0.3903

Deuteranomaly

21.7659, 0.3247, 0.3701

Tritanomaly

22.5484, 0.2612, 0.3406

Monochromacy



Original Color

22.7288, 0.2786, 0.4078

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5009, 0.2967, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7288, 0.2786, 0.4078 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(73, 145, 107)` looks like.

```
.text, #text, p{  
  color:rgb(73, 145, 107)  
}
```

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(73, 145, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 145, 107) }
```

Border

The CSS property to change the border of an element to Yxy 22.7288, 0.2786, 0.4078 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(73, 145, 107) }
```

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

```
.border{ border-color:rgb(73, 145, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 145, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 145, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 145, 107);  
box-shadow:4px 4px 4px 4px rgb(73, 145,  
107) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7288, 0.2786, 0.4078$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 145, 107) }
```

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

```
.background{ background-color: rgb(73, 145,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor