

Converting Colors

$Y_{xy}(22.9470, 0.3086, 0.4170)$

Have a look what the booklet for
Yxy(22.9470, 0.3086, 0.4170)
contains.

Yxy(22.8245, 0.3086, 0.4164)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8245, 0.3086, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	628E62
RGB	98, 142, 98
RGB Percent	38%, 56%, 38%
CMY	0.6157, 0.4431, 0.6156
CMYK	0.31, 0.00, 0.31, 0.44
HSL	120°, 18%, 47%
HSV	120°, 31%, 56%
XYZ	16.9156, 22.8245, 15.0738
YIQ	123.8280, -12.1000, -23.0120

Conversions

Conversions Part 2

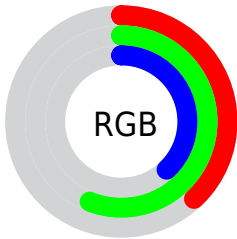
Format	Color
R_{YB}	98, 142, 142
Decimal	6458978
CIE _{Lab}	54.89, -24.32, 18.76
CIE _{LCh}	55, 30.716, 142.349
Yxy	22.8245, 0.3086, 0.4164
Android (android.graphics.Color)	4284649058 (0xFF628E62)
YUV	123.8280, -12.7332, -22.6512
Hunter-Lab	47.7750, -20.4052, 14.7355

Details

The Yxy color $22.8245, 0.3086, 0.4164$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.4396, 0.3162, 0.2548$, and the grayscale version is $20.1430, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1338, 0.3104, 0.3958$, and $8.3742, 0.3041, 0.4543$ is the 20% darker color. If you saturate the color by 10%, you get $21.8595, 0.3070, 0.4502$, and if you desaturate by 10%, it is $23.9792, 0.3101, 0.3849$.

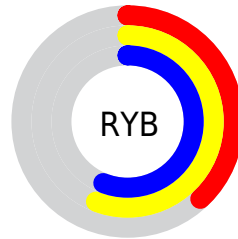
Distribution



Red (38%)

Green (56%)

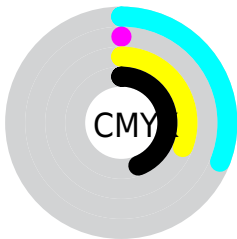
Blue (38%)



Red (38%)

Yellow (56%)

Blue (56%)

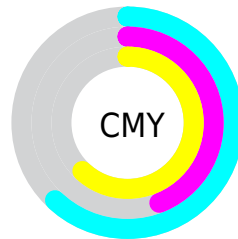


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (44%)



Cyan (62%)


Magenta (44%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8245, 0.3086, 0.4164 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 22.8245, 0.3086, 0.4164 by changing the saturation by 10% instead.


 22.8245, 0.3086,
0.4164


 22.8245, 0.3086,
0.4164


266.8223, 0.3121,
0.3654


 14.4640, 0.3069,
0.4323


 48.1050, 0.3104,
0.3957


 8.4441, 0.3041,
0.4551


 65.7938, 0.3108,
0.3887

 4.3804, 0.2986,
0.4904

 87.3607, 0.3112,
0.3829

 1.8885, 0.2924,
0.5634

 113.1903, 0.3115,
0.3782

 0.5415, 0.0000,
1.0000

143.6668, 0.3117,
0.3743

 0.0000, 0.0000,
0.0000

179.1747, 0.3118,

0.3709

220.0984, 0.3120,
0.3680

■ 22.8245, 0.3086,
0.4164

■ 22.8245, 0.3086,
0.4164

■ 21.8595, 0.3070,
0.4502

■ 23.9792, 0.3101,
0.3849

■ 21.0713, 0.3054,
0.4851

■ 25.3297, 0.3114,
0.3565

■ 20.4500, 0.3038,
0.5189


■ 26.8858, 0.3126,
0.3313

■ 19.9837, 0.3024,
0.5493

■ 28.6554, 0.3136,
0.3094


■ 19.6587, 0.3012,
0.5736


■ 30.6463, 0.3145,
0.2904

 19.4591, 0.3005,
0.5901

 32.8656, 0.3153,
0.2740

 19.3465, 0.3000,
0.6000

 35.3203, 0.3160,
0.2600

 38.0171, 0.3165,
0.2479

 40.9623, 0.3170,
0.2375

Harmonies

Analogous

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



22.8245, 0.3617, 0.4277



22.8245, 0.3086, 0.4164



22.8245, 0.2592, 0.3736

Triad

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



22.8245, 0.3086, 0.4164



22.8245, 0.2262, 0.2479



22.8245, 0.4073, 0.3282

Complementary

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



22.8245, 0.3086, 0.4164



16.4396, 0.3162, 0.2548

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.



22.8245, 0.3647, 0.2885



22.8245, 0.3086, 0.4164



22.8245, 0.2593, 0.2438

Square

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



22.8245, 0.3086, 0.4164



22.8245, 0.2146, 0.2730



22.8245, 0.3093, 0.2586



22.8245, 0.4215, 0.3709

Rectangle

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



22.8245, 0.3086, 0.4164



22.8245, 0.2346, 0.3366



22.8245, 0.3093, 0.2586



22.8245, 0.3957, 0.3143

Sweetspot

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



22.8255, 0.3086, 0.4164



45.1318, 0.3116, 0.3517



25.9792, 0.3578, 0.4036



10.0049, 0.3115, 0.3551



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.8255, 0.3086, 0.4164



39.0591, 0.3075, 0.4392



23.2994, 0.2886, 0.3715



6.0294, 0.3116, 0.3517



17.3699, 0.3000, 0.6000



0.1661, 0.2999, 0.5998

Inverse Universe

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



16.4396, 0.3162, 0.2548



25.9983, 0.3170, 0.2390



15.8431, 0.3465, 0.2902



5.5110, 0.3137, 0.3073



6.9155, 0.3210, 0.1542



0.0661, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.8245, 0.3086, 0.4164 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 22.8245, 0.3086, 0.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

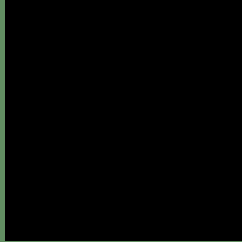
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8245, 0.3086, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 22.8245, 0.3086, 0.4164.



This preview shows how white text looks on a background with the Yxy color 22.8245, 0.3086, 0.4164.

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

22.8245, 0.3086, 0.4164

Protanopia

22.6856, 0.3673, 0.3953

Deuteranopia

22.6533, 0.3746, 0.3691



Tritanopia

22.8407, 0.2724, 0.3090

Trichromacy



Original Color

22.8245, 0.3086, 0.4164

Protanomaly

22.5141, 0.3435, 0.4030

Deuteranomaly

22.4287, 0.3479, 0.3849

Tritanomaly

22.7050, 0.2859, 0.3460

Monochromacy



Original Color

22.8245, 0.3086, 0.4164

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.1152, 0.3113, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8245, 0.3086, 0.4164 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(98, 142, 98)` looks like.

```
.text, #text, p{  
    color:rgb(98, 142, 98)  
}
```

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(98, 142, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 142, 98) }
```

Border

The CSS property to change the border of an element to Yxy 22.8245, 0.3086, 0.4164 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(98, 142, 98) }
```

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

```
.border{ border-color:rgb(98, 142, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 142, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 142, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 142, 98);  
box-shadow:4px 4px 4px 4px rgb(98, 142,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8245, 0.3086, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 142, 98) }
```

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

```
.background{ background-color: rgb(98, 142,  
98) }
```

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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