

Converting Colors

$Y_{xy}(21.5990, 0.2922, 0.4025)$

Have a look what the booklet for
Yxy(21.5990, 0.2922, 0.4025)
contains.

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Color

$Y_{xy}(21.4910, 0.2923, 0.4012)$

Conversions

Conversions Part 1

Format	Color
Hex	578B68
RGB	87, 139, 104
RGB Percent	34%, 55%, 41%
CMY	0.6590, 0.4549, 0.5922
CMYK	0.37, 0.00, 0.25, 0.45
HSL	140°, 23%, 44%
HSV	140°, 37%, 55%
XYZ	15.6576, 21.4910, 16.4182
YIQ	119.4620, -19.7570, -21.9090

Conversions

Conversions Part 2

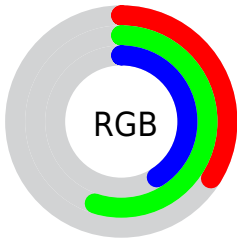
Format	Color
RYB	87, 126, 139
Decimal	5737320
CIELab	53.48, -25.40, 13.35
CIELCh	53, 28.694, 152.282
Yxy	21.4910, 0.2923, 0.4012
Android (android.graphics.Color)	4283927400 (0xFF578B68)
YUV	119.4620, -7.6228, -28.4692
Hunter-Lab	46.3584, -20.8387, 11.4528

Details

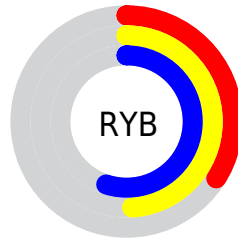
The Yxy color $21.4910, 0.2923, 0.4012$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.7014, 0.3418, 0.2667$, and the grayscale version is $18.6278, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9955, 0.2978, 0.3845$, and $7.8335, 0.2815, 0.4346$ is the 20% darker color. If you saturate the color by 10%, you get $20.7069, 0.2879, 0.4248$, and if you desaturate by 10%, it is $22.4268, 0.2973, 0.3792$.

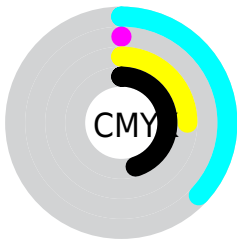
Distribution



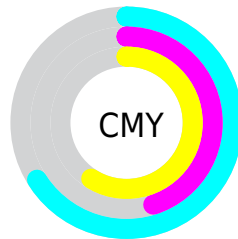
- Red (34%)
- Green (55%)
- Blue (41%)



- Red (34%)
- Yellow (49%)
- Blue (55%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (45%)



- Cyan (66%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4910, 0.2923, 0.4012 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 21.4910, 0.2923, 0.4012 by changing the saturation by 10% instead.

■ 21.4910, 0.2923,
0.4012

■ 21.4910, 0.2923,
0.4012

■ 259.8765, 0.3046,
0.3588

■ 13.4834, 0.2882,
0.4146

■ 45.9033, 0.2974,
0.3839

■ 7.7622, 0.2821,
0.4342

■ 63.0767, 0.2992,
0.3780

■ 3.9432, 0.2721,
0.4649

■ 84.0742, 0.3005,
0.3733

■ 1.6418, 0.2549,
0.5241

■ 109.2802, 0.3017,
0.3694

■ 0.3856, 0.0000,
1.0000

■ 139.0790, 0.3026,
0.3661

■ 0.0000, 0.0000,
0.0000

173.8551, 0.3034,

0.3633

213.9928, 0.3040,
0.3609

■ 21.4910, 0.2923,
0.4012

■ 21.4910, 0.2923,
0.4012

■ 20.7069, 0.2879,
0.4248

■ 22.4268, 0.2973,
0.3792

■ 20.0637, 0.2846,
0.4496

■ 23.5190, 0.3028,
0.3592

■ 19.5534, 0.2825,
0.4749


■ 24.7756, 0.3085,
0.3412


■ 19.1661, 0.2819,
0.4997


■ 26.2031, 0.3142,
0.3251


■ 18.8902, 0.2829,
0.5230


■ 27.8077, 0.3198,
0.3109


 18.7044, 0.2852,
0.5438

 29.5953, 0.3252,
0.2985

 18.6625, 0.2858,
0.5488

 31.5715, 0.3304,
0.2876

 33.7416, 0.3353,
0.2781

 36.1108, 0.3399,
0.2698

Harmonies

Analogous

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



21.4910, 0.3434, 0.4230



21.4910, 0.2923, 0.4012



21.4910, 0.2489, 0.3542

Triad

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



21.4910, 0.2923, 0.4012



21.4910, 0.2383, 0.2479



21.4910, 0.4108, 0.3421

Complementary

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



21.4910, 0.2923, 0.4012



13.7014, 0.3418, 0.2667

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.



21.4910, 0.3780, 0.3023



21.4910, 0.2923, 0.4012



21.4910, 0.2762, 0.2502

Square

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



21.4910, 0.2923, 0.4012



21.4910, 0.2200, 0.2654



21.4910, 0.3272, 0.2697



21.4910, 0.4141, 0.3823

Rectangle

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



21.4910, 0.2923, 0.4012



21.4910, 0.2297, 0.3192



21.4910, 0.3272, 0.2697



21.4910, 0.4028, 0.3284

Sweetspot

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



21.4919, 0.2923, 0.4012



43.4735, 0.3063, 0.3477



23.3321, 0.3471, 0.4251



9.9559, 0.3056, 0.3498



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.



21.4919, 0.2923, 0.4012



37.2665, 0.2885, 0.4212



22.0899, 0.2700, 0.3477



5.6335, 0.3075, 0.3441



16.8433, 0.2856, 0.5480



0.1144, 0.2627, 0.4658

Inverse Universe

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



13.7014, 0.3418, 0.2667



21.2087, 0.3509, 0.2527



13.1508, 0.3835, 0.3116



5.1016, 0.3183, 0.3144



5.6782, 0.4217, 0.2097



0.0404, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 21.4910, 0.2923, 0.4012 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 21.4910, 0.2923, 0.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

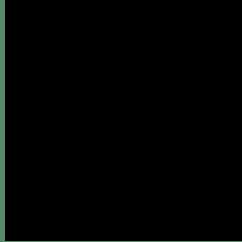
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4910, 0.2923, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 21.4910, 0.2923, 0.4012.



This preview shows how white text looks on a background with the Yxy color 21.4910, 0.2923, 0.4012.

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

21.4910, 0.2923, 0.4012

Protanopia

21.2948, 0.3571, 0.3812

Deuteranopia

21.1128, 0.3601, 0.3533



Tritanopia

21.5506, 0.2645, 0.3100

Trichromacy



Original Color

21.4910, 0.2923, 0.4012

Protanomaly

21.0043, 0.3309, 0.3885

Deuteranomaly

20.8599, 0.3325, 0.3683

Tritanomaly

21.5205, 0.2751, 0.3426

Monochromacy



Original Color

21.4910, 0.2923, 0.4012

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.2624, 0.3034, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4910, 0.2923, 0.4012 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(87, 139, 104)` looks like.

```
.text, #text, p{  
    color:rgb(87, 139, 104)  
}
```

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(87, 139, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 139, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.4910, 0.2923, 0.4012 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(87, 139, 104) }
```

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

```
.border{ border-color:rgb(87, 139, 104) }
```

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

Here you see how a box with a 4 pixel rgb(87, 139, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 139, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 139, 104);  
box-shadow:4px 4px 4px 4px rgb(87, 139,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4910, 0.2923, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 139, 104) }
```

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

```
.background{ background-color: rgb(87, 139,  
104) }
```

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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