

Converting Colors

$Y_{xy}(21.4828, 0.2881, 0.4053)$

Have a look what the booklet for
Yxy(21.4828, 0.2881, 0.4053)
contains.

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Color

Yxy(21.5293, 0.2887, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	528C67
RGB	82, 140, 103
RGB Percent	32%, 55%, 40%
CMY	0.6785, 0.4510, 0.5961
CMYK	0.41, 0.00, 0.26, 0.45
HSL	142°, 26%, 44%
HSV	142°, 41%, 55%
XYZ	15.3054, 21.5293, 16.1801
YIQ	118.4400, -22.6910, -23.8030

Conversions

Conversions Part 2

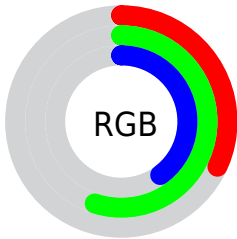
Format	Color
R_{YB}	82, 125, 140
Decimal	5409895
CIE _{Lab}	53.52, -27.65, 13.93
CIE _{LCh}	54, 30.962, 153.253
Y _{xy}	21.5293, 0.2887, 0.4061
Android (android.graphics.Color)	4283599975 (0xFF528C67)
Y _{UV}	118.4400, -7.6119, -31.9579
Hunter-Lab	46.3997, -22.3195, 11.8047

Details

The Yxy color $21.5293, 0.2887, 0.4061$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.9414, 0.3492, 0.2633$, and the grayscale version is $18.2916, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9850, 0.2949, 0.3879$, and $7.7216, 0.2764, 0.4400$ is the 20% darker color. If you saturate the color by 10%, you get $20.7955, 0.2844, 0.4290$, and if you desaturate by 10%, it is $22.4122, 0.2939, 0.3846$.

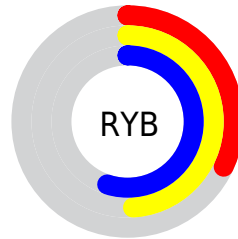
Distribution



Red (32%)

Green (55%)

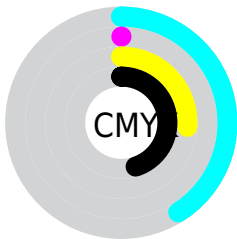
Blue (40%)



Red (32%)

Yellow (49%)

Blue (55%)

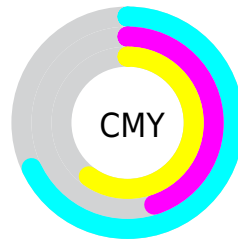


Cyan (41%)

Magenta (0%)

Yellow (26%)

Black (45%)



Cyan (68%)

Magenta (45%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5293, 0.2887, 0.4061 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 21.5293, 0.2887, 0.4061 by changing the saturation by 10% instead.

■ 21.5293, 0.2887,
0.4061

■ 21.5293, 0.2887,
0.4061

■ 260.0782, 0.3032,
0.3608

■ 13.5114, 0.2839,
0.4205

■ 45.9668, 0.2947,
0.3876

■ 7.7817, 0.2768,
0.4415

■ 63.1552, 0.2967,
0.3813

■ 3.9556, 0.2652,
0.4746

■ 84.1693, 0.2983,
0.3762

■ 1.6487, 0.2450,
0.5401

■ 109.3934, 0.2997,
0.3720

■ 0.3901, 0.0000,
1.0000

■ 139.2120, 0.3008,
0.3685

■ 0.0000, 0.0000,
0.0000

174.0094, 0.3017,

0.3655

214.1700, 0.3025,
0.3630

■ 21.5293, 0.2887,
0.4061

■ 21.5293, 0.2887,
0.4061

■ 20.7955, 0.2844,
0.4290

■ 22.4122, 0.2939,
0.3846

■ 20.1995, 0.2812,
0.4529

■ 23.4491, 0.2996,
0.3649

■ 19.7330, 0.2795,
0.4770


■ 24.6482, 0.3057,
0.3471

■ 19.3854, 0.2795,
0.5005


■ 26.0163, 0.3118,
0.3311

■ 19.1445, 0.2811,
0.5224

■ 27.5596, 0.3180,
0.3170

 18.9937, 0.2832,
0.5396

 29.2841, 0.3240,
0.3045

 31.1957, 0.3298,
0.2936

 33.2998, 0.3353,
0.2840

 35.6016, 0.3405,
0.2757

Harmonies

Analogous

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



21.5293, 0.3435, 0.4306



21.5293, 0.2887, 0.4061



21.5293, 0.2429, 0.3542

Triad

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



21.5293, 0.2887, 0.4061



21.5293, 0.2340, 0.2419



21.5293, 0.4192, 0.3440

Complementary

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



21.5293, 0.2887, 0.4061



12.9414, 0.3492, 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.



21.5293, 0.3846, 0.3014



21.5293, 0.2887, 0.4061



21.5293, 0.2749, 0.2451

Square

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



21.5293, 0.2887, 0.4061



21.5293, 0.2138, 0.2595



21.5293, 0.3300, 0.2665



21.5293, 0.4214, 0.3868

Rectangle

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



21.5293, 0.2887, 0.4061



21.5293, 0.2229, 0.3163



21.5293, 0.3300, 0.2665



21.5293, 0.4109, 0.3294

Sweetspot

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



21.5302, 0.2887, 0.4061



43.2693, 0.3052, 0.3485



23.3382, 0.3481, 0.4366



9.9136, 0.3045, 0.3504



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.



21.5302, 0.2887, 0.4061



36.7058, 0.2845, 0.4281



22.1979, 0.2646, 0.3461



5.6362, 0.3071, 0.3433



16.8792, 0.2830, 0.5387



0.1148, 0.2599, 0.4555

Inverse Universe

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



12.9414, 0.3492, 0.2633



19.3778, 0.3612, 0.2488



12.3596, 0.3981, 0.3133



5.0987, 0.3188, 0.3151



5.6034, 0.4348, 0.2169



0.0400, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 21.5293, 0.2887, 0.4061 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 21.5293, 0.2887, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

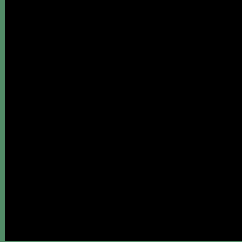
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5293, 0.2887, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 21.5293, 0.2887, 0.4061.



This preview shows how white text looks on a background with the Yxy color 21.5293, 0.2887, 0.4061.

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

21.5293, 0.2887, 0.4061

Protanopia

21.2761, 0.3583, 0.3831

Deuteranopia

21.1836, 0.3627, 0.3549



Tritanopia

21.3698, 0.2602, 0.3080

Trichromacy



Original Color

21.5293, 0.2887, 0.4061

Protanomaly

21.1164, 0.3293, 0.3927

Deuteranomaly

20.9521, 0.3309, 0.3723

Tritanomaly

21.2947, 0.2698, 0.3408

Monochromacy



Original Color

21.5293, 0.2887, 0.4061

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1172, 0.3021, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5293, 0.2887, 0.4061 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(82, 140, 103)` looks like.

```
.text, #text, p{  
  color:rgb(82, 140, 103)  
}
```

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(82, 140, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 140, 103) }
```

Border

The CSS property to change the border of an element to Yxy 21.5293, 0.2887, 0.4061 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(82, 140, 103) }
```

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

```
.border{ border-color:rgb(82, 140, 103) }
```

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

Here you see how a box with a 4 pixel rgb(82, 140, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 140, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 140, 103);  
box-shadow:4px 4px 4px 4px rgb(82, 140,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5293, 0.2887, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 140, 103) }
```

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

```
.background{ background-color: rgb(82, 140,  
103) }
```

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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