

Converting Colors

$Y_{xy}(22.6683, 0.2873, 0.4248)$

Have a look what the booklet for
Yxy(22.6683, 0.2873, 0.4248)
contains.

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Color

Yxy(22.6881, 0.2875, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	4C9163
RGB	76, 145, 99
RGB Percent	30%, 57%, 39%
CMY	0.7019, 0.4314, 0.6118
CMYK	0.48, 0.00, 0.32, 0.43
HSL	140°, 31%, 43%
HSV	140°, 48%, 57%
XYZ	15.3587, 22.6881, 15.3747
YIQ	119.1250, -26.3580, -28.9340

Conversions

Conversions Part 2

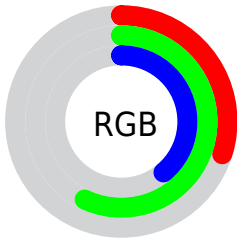
Format	Color
R_{YB}	76, 128, 145
Decimal	5017955
CIE _{Lab}	54.75, -32.62, 17.84
CIE _{LCh}	55, 37.175, 151.330
Yxy	22.6881, 0.2875, 0.4247
Android (android.graphics.Color)	4283208035 (0xFF4C9163)
YUV	119.1250, -9.9216, -37.8206
Hunter-Lab	47.6320, -25.7997, 14.2047

Details

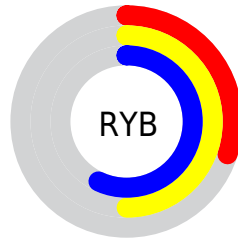
The Yxy color $22.6881, 0.2875, 0.4247$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.5956, 0.3535, 0.2505$, and the grayscale version is $18.5290, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7160, 0.2942, 0.4013$, and $8.4021, 0.2740, 0.4687$ is the 20% darker color. If you saturate the color by 10%, you get $21.9865, 0.2841, 0.4494$, and if you desaturate by 10%, it is $23.5476, 0.2919, 0.4012$.

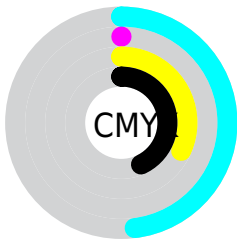
Distribution



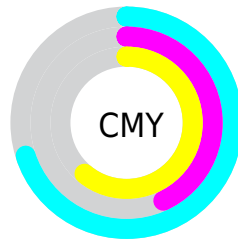
- Red (30%)
- Green (57%)
- Blue (39%)



- Red (30%)
- Yellow (50%)
- Blue (57%)



- Cyan (48%)
- Magenta (0%)
- Yellow (32%)
- Black (43%)



- Cyan (70%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6881, 0.2875, 0.4247 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 22.6881, 0.2875, 0.4247 by changing the saturation by 10% instead.

■ 22.6881, 0.2875,
0.4247

■ 22.6881, 0.2875,
0.4247

266.1189, 0.3030,
0.3684

■ 14.3634, 0.2822,
0.4425

■ 47.8807, 0.2941,
0.4017

■ 8.3738, 0.2743,
0.4684

■ 65.5173, 0.2962,
0.3939

■ 4.3351, 0.2611,
0.5088

■ 87.0267, 0.2979,
0.3876

■ 1.8627, 0.2400,
0.5914

■ 112.7933, 0.2993,
0.3824

■ 0.5258, 0.0000,
1.0000

■ 143.2014, 0.3005,
0.3781

■ 0.0000, 0.0000,
0.0000

178.6354, 0.3015,

0.3744

219.4798, 0.3023,
0.3712

■ 22.6881, 0.2875,
0.4247

■ 22.6881, 0.2875,
0.4247

■ 21.9865, 0.2841,
0.4494

■ 23.5476, 0.2919,
0.4012

■ 21.4300, 0.2820,
0.4746

■ 24.5712, 0.2970,
0.3793

■ 21.0087, 0.2815,
0.4993

■ 25.7681, 0.3026,
0.3593


■ 20.7096, 0.2826,
0.5225

■ 27.1460, 0.3083,
0.3413

■ 20.5099, 0.2850,
0.5432

■ 28.7122, 0.3141,
0.3253

 20.4672, 0.2855,
0.5479

 30.4736, 0.3198,
0.3112

 32.4366, 0.3253,
0.2988

 34.6075, 0.3306,
0.2880

 36.9921, 0.3357,
0.2785

Harmonies

Analogous

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



22.6881, 0.3515, 0.4501



22.6881, 0.2875, 0.4247



22.6881, 0.2336, 0.3629

Triad

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



22.6881, 0.2875, 0.4247



22.6881, 0.2190, 0.2285



22.6881, 0.4369, 0.3415

Complementary

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



22.6881, 0.2875, 0.4247



12.5956, 0.3535, 0.2505

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.



22.6881, 0.3938, 0.2934



22.6881, 0.2875, 0.4247



22.6881, 0.2644, 0.2313

Square

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



22.6881, 0.2875, 0.4247



22.6881, 0.1978, 0.2494



22.6881, 0.3281, 0.2545



22.6881, 0.4411, 0.3913

Rectangle

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



22.6881, 0.2875, 0.4247



22.6881, 0.2099, 0.3170



22.6881, 0.3281, 0.2545



22.6881, 0.4264, 0.3249

Sweetspot

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



22.6890, 0.2875, 0.4247



46.9208, 0.3044, 0.3531



24.9955, 0.3552, 0.4524



10.3354, 0.3033, 0.3567



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.



22.6890, 0.2875, 0.4247



39.3059, 0.2839, 0.4509



23.4637, 0.2607, 0.3537



6.0572, 0.3074, 0.3440



17.5596, 0.2852, 0.5468



0.1717, 0.2622, 0.4641

Inverse Universe

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



12.5956, 0.3535, 0.2505



18.9814, 0.3665, 0.2350



11.9058, 0.4138, 0.3070



5.4809, 0.3185, 0.3144



5.9034, 0.4241, 0.2110



0.0605, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 22.6881, 0.2875, 0.4247 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 22.6881, 0.2875, 0.4247 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 22.6881, 0.2875, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 22.6881, 0.2875, 0.4247.



This preview shows how white text looks on a background with the Yxy color 22.6881, 0.2875, 0.4247.

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

22.6881, 0.2875, 0.4247

Protanopia

22.3310, 0.3665, 0.3940

Deuteranopia

22.3219, 0.3727, 0.3660



Tritanopia

22.7420, 0.2544, 0.3083

Trichromacy



Original Color

22.6881, 0.2875, 0.4247

Protanomaly

21.9361, 0.3339, 0.4054

Deuteranomaly

21.7469, 0.3357, 0.3851

Tritanomaly

22.5733, 0.2668, 0.3485

Monochromacy



Original Color

22.6881, 0.2875, 0.4247

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.4918, 0.3009, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6881, 0.2875, 0.4247 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(76, 145, 99)` looks like.

```
.text, #text, p{  
    color:rgb(76, 145, 99)  
}
```

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(76, 145, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 145, 99) }
```

Border

The CSS property to change the border of an element to Yxy 22.6881, 0.2875, 0.4247 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(76, 145, 99) }
```

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

```
.border{ border-color:rgb(76, 145, 99) }
```

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

Here you see how a box with a 4 pixel rgb(76, 145, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 145, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 145, 99);  
box-shadow:4px 4px 4px 4px rgb(76, 145,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6881, 0.2875, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 145, 99) }
```

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

```
.background{ background-color: rgb(76, 145,  
99) }
```

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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