

Converting Colors

$Yxy(19.9241, 0.3031, 0.4361)$

Have a look what the booklet for
Yxy(19.9241, 0.3031, 0.4361)
contains.

Yxy(20.0295, 0.3027, 0.4369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.0295, 0.3027, 0.4369)$

Conversions

Conversions Part 1

Format	Color
Hex	518856
RGB	81, 136, 86
RGB Percent	32%, 53%, 34%
CMY	0.6823, 0.4667, 0.6628
CMYK	0.40, 0.00, 0.37, 0.47
HSL	125°, 25%, 43%
HSV	125°, 40%, 53%
XYZ	13.8772, 20.0295, 11.9379
YIQ	113.8550, -16.7300, -27.2100

Conversions

Conversions Part 2

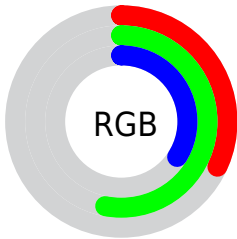
Format	Color
R_{YB}	81, 131, 136
Decimal	5343318
CIE _{Lab}	51.87, -29.26, 21.29
CIE _{LCh}	52, 36.190, 143.956
Yxy	20.0295, 0.3027, 0.4369
Android (android.graphics.Color)	4283533398 (0xFF518856)
YUV	113.8550, -13.7325, -28.8138
Hunter-Lab	44.7543, -22.9719, 15.5128

Details

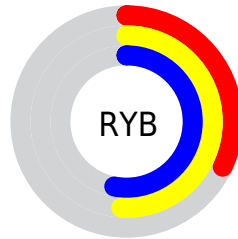
The Yxy color $20.0295, 0.3027, 0.4369$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.7585, 0.3245, 0.2408$, and the grayscale version is $16.8276, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5910, 0.3066, 0.4108$, and $7.0848, 0.2932, 0.4892$ is the 20% darker color. If you saturate the color by 10%, you get $19.3061, 0.3005, 0.4690$, and if you desaturate by 10%, it is $20.9094, 0.3051, 0.4063$.

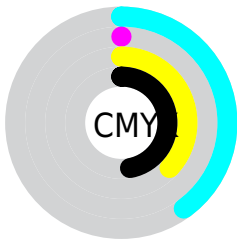
Distribution



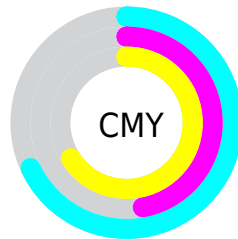
- Red (32%)
- Green (53%)
- Blue (34%)



- Red (32%)
- Yellow (51%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (47%)





- Cyan (68%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0295, 0.3027, 0.4369 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 20.0295, 0.3027, 0.4369 by changing the saturation by 10% instead.


 20.0295, 0.3027,
0.4369


 20.0295, 0.3027,
0.4369


252.0748, 0.3102,
0.3723


 12.4165, 0.2994,
0.4580


 43.4666, 0.3063,
0.4102


 7.0280, 0.2937,
0.4889


 60.0596, 0.3074,
0.4012


 3.4796, 0.2827,
0.5380

 80.4146, 0.3081,
0.3940

 1.3870, 0.2783,
0.7217

 104.9161, 0.3087,
0.3881

 0.2071, 0.0000,
1.0000

 133.9484, 0.3092,
0.3832

 0.0000, 0.0000,
0.0000

167.8961, 0.3096,

0.3790

207.1434, 0.3099,
0.3754

■ 20.0295, 0.3027,
0.4369

■ 20.0295, 0.3027,
0.4369

■ 19.3061, 0.3005,
0.4690

■ 20.9094, 0.3051,
0.4063

■ 18.7277, 0.2988,
0.5011

■ 21.9516, 0.3077,
0.3780

■ 18.2852, 0.2976,
0.5314

■ 23.1647, 0.3102,
0.3525

■ 17.9674, 0.2971,
0.5577


■ 24.5557, 0.3126,
0.3299


■ 17.7613, 0.2974,
0.5782

■ 26.1315, 0.3149,
0.3102

 17.6365, 0.2977,
0.5917

 27.8985, 0.3170,
0.2930

 29.8628, 0.3190,
0.2781

 32.0303, 0.3208,
0.2652

 34.4067, 0.3224,
0.2541

Harmonies

Analogous

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



20.0295, 0.3674, 0.4512



20.0295, 0.3027, 0.4369



20.0295, 0.2440, 0.3807

Triad

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



20.0295, 0.3027, 0.4369



20.0295, 0.2102, 0.2300



20.0295, 0.4313, 0.3291

Complementary

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



20.0295, 0.3027, 0.4369



12.7585, 0.3245, 0.2408

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.



20.0295, 0.3798, 0.2821



20.0295, 0.3027, 0.4369



20.0295, 0.2503, 0.2273

Square

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



20.0295, 0.3027, 0.4369



20.0295, 0.1950, 0.2574



20.0295, 0.3114, 0.2461



20.0295, 0.4457, 0.3798

Rectangle

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



20.0295, 0.3027, 0.4369



20.0295, 0.2160, 0.3335



20.0295, 0.3114, 0.2461



20.0295, 0.4176, 0.3127

Sweetspot

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



20.0303, 0.3027, 0.4369



40.4093, 0.3097, 0.3569



23.0620, 0.3653, 0.4273



9.3025, 0.3095, 0.3596



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.0303, 0.3027, 0.4369



34.0651, 0.3006, 0.4678



20.5527, 0.2783, 0.3768



5.6151, 0.3105, 0.3495



16.6924, 0.2976, 0.5915



0.1117, 0.2874, 0.5547

Inverse Universe

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



12.7585, 0.3245, 0.2408



19.3235, 0.3278, 0.2215



12.1175, 0.3686, 0.2865



5.1213, 0.3150, 0.3094



6.3237, 0.3445, 0.1671



0.0431, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 20.0295, 0.3027, 0.4369 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 20.0295, 0.3027, 0.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

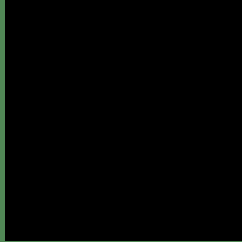
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0295, 0.3027, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 20.0295, 0.3027, 0.4369.



This preview shows how white text looks on a background with the Yxy color 20.0295, 0.3027, 0.4369.

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

20.0295, 0.3027, 0.4369

Protanopia

19.8283, 0.3765, 0.4057

Deuteranopia

19.8060, 0.3850, 0.3779



Tritanopia

19.8693, 0.2631, 0.3075

Trichromacy



Original Color

20.0295, 0.3027, 0.4369

Protanomaly

19.7077, 0.3465, 0.4177

Deuteranomaly

19.5261, 0.3502, 0.3985

Tritanomaly

19.9333, 0.2778, 0.3535

Monochromacy



Original Color

20.0295, 0.3027, 0.4369

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.7433, 0.3085, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0295, 0.3027, 0.4369 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(81, 136, 86)` looks like.

```
.text, #text, p{  
    color:rgb(81, 136, 86)  
}
```

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(81, 136, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 136, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.0295, 0.3027, 0.4369 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(81, 136, 86) }
```

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

```
.border{ border-color:rgb(81, 136, 86) }
```

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

Here you see how a box with a 4 pixel rgb(81, 136, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 136, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 136, 86);  
box-shadow:4px 4px 4px 4px rgb(81, 136,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0295, 0.3027, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 136, 86) }
```

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

```
.background{ background-color: rgb(81, 136,  
86) }
```

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