

Converting Colors

$Yxy(20.0928, 0.2603, 0.4068)$

Have a look what the booklet for
Yxy(20.0928, 0.2603, 0.4068)
contains.

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Color

$\text{Yxy}(20.0430, 0.2601, 0.4052)$

Conversions

Conversions Part 1

Format	Color
Hex	2D8B69
RGB	45, 139, 105
RGB Percent	18%, 55%, 41%
CMY	0.8234, 0.4549, 0.5882
CMYK	0.68, 0.00, 0.24, 0.45
HSL	158°, 51%, 36%
HSV	158°, 68%, 55%
XYZ	12.8657, 20.0430, 16.5558
YIQ	107.0180, -45.1100, -30.5020

Conversions

Conversions Part 2

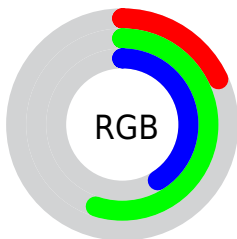
Format	Color
R_{YB}	45, 102, 139
Decimal	2984809
CIE _{Lab}	51.89, -35.89, 10.30
CIE _{LCh}	52, 37.334, 163.991
Yxy	20.0430, 0.2601, 0.4052
Android (android.graphics.Color)	4281174889 (0xFF2D8B69)
YUV	107.0180, -0.9949, -54.3898
Hunter-Lab	44.7694, -27.0496, 9.4131

Details

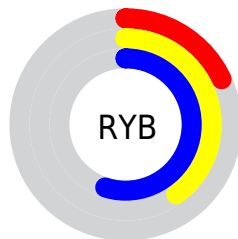
The Yxy color **20.0430, 0.2601, 0.4052** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.9333, 0.4455, 0.2719**, and the grayscale version is **14.7233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3650, 0.2725, 0.3867**, and **7.2849, 0.2543, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **19.6781, 0.2575, 0.4188**, and if you desaturate by 10%, it is **20.5194, 0.2645, 0.3919**.

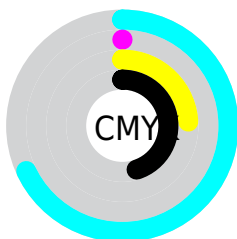
Distribution



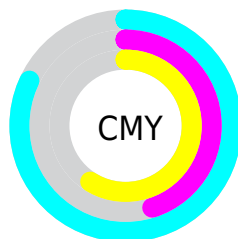
- Red (18%)
- Green (55%)
- Blue (41%)



- Red (18%)
- Yellow (40%)
- Blue (55%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (45%)




- Cyan (82%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0430, 0.2601, 0.4052 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 20.0430, 0.2601, 0.4052 by changing the saturation by 10% instead.


 20.0430, 0.2601,
0.4052


 20.0430, 0.2601,
0.4052

 252.1478, 0.2908,
0.3600


 12.4263, 0.2504,
0.4198


 43.4893, 0.2726,
0.3866


 7.0347, 0.2365,
0.4413


 60.0876, 0.2769,
0.3803


 3.4838, 0.2148,
0.4757

 80.4487, 0.2803,
0.3753


 1.3892, 0.1513,
0.5609

 104.9568, 0.2832,
0.3711

 0.2088, 0.0000,
1.0000

 133.9963, 0.2855,
0.3677

 0.0000, 0.0000,
0.0000

 167.9518, 0.2876,

0.3647

207.2075, 0.2893,
0.3622

■ 20.0430, 0.2601,
0.4052

■ 20.0430, 0.2601,
0.4052

■ 19.6781, 0.2575,
0.4188

■ 20.5194, 0.2645,
0.3919

■ 19.4117, 0.2568,
0.4324

■ 21.1144, 0.2705,
0.3791

■ 19.2234, 0.2578,
0.4458

■ 21.8369, 0.2778,
0.3669

■ 19.1815, 0.2581,
0.4491

■ 22.6945, 0.2862,
0.3556

■ 23.6942, 0.2954,
0.3451

■ 24.8423, 0.3051,
0.3356

■ 26.1451, 0.3151,
0.3270

■ 27.6080, 0.3252,
0.3193

■ 29.2367, 0.3353,
0.3125

Harmonies

Analogous

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



20.0430, 0.3245, 0.4509



20.0430, 0.2601, 0.4052



20.0430, 0.2131, 0.3333

Triad

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



20.0430, 0.2601, 0.4052



20.0430, 0.2321, 0.2229



20.0430, 0.4497, 0.3636

Complementary

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



20.0430, 0.2601, 0.4052



7.9333, 0.4455, 0.2719

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.



20.0430, 0.4209, 0.3120



20.0430, 0.2601, 0.4052



20.0430, 0.2885, 0.2353

Square

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



20.0430, 0.2601, 0.4052



20.0430, 0.1993, 0.2335



20.0430, 0.3589, 0.2669



20.0430, 0.4362, 0.4137

Rectangle

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



20.0430, 0.2601, 0.4052



20.0430, 0.1964, 0.2889



20.0430, 0.3589, 0.2669



20.0430, 0.4448, 0.3461

Sweetspot

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



20.0438, 0.2601, 0.4052



41.8986, 0.2928, 0.3480



20.3381, 0.3323, 0.5210



9.5506, 0.2905, 0.3506



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.



20.0438, 0.2601, 0.4052



34.9733, 0.2569, 0.4258



17.4652, 0.2294, 0.3020



5.6584, 0.3036, 0.3370



17.3157, 0.2579, 0.4485



0.1178, 0.2412, 0.3884

Inverse Universe

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



7.9333, 0.4455, 0.2719



11.6924, 0.4937, 0.2699



8.6609, 0.5093, 0.3497



5.0766, 0.3228, 0.3211



5.1672, 0.5463, 0.2783



0.0370, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 20.0430, 0.2601, 0.4052 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 20.0430, 0.2601, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

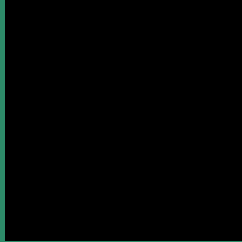
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0430, 0.2601, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 20.0430, 0.2601, 0.4052.



This preview shows how white text looks on a background with the Yxy color 20.0430, 0.2601, 0.4052.

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

20.0430, 0.2601, 0.4052

Protanopia

19.8543, 0.3535, 0.3773

Deuteranopia

19.6581, 0.3512, 0.3434



Tritanopia

20.0866, 0.2376, 0.3067

Trichromacy



Original Color

20.0430, 0.2601, 0.4052

Protanomaly

19.3299, 0.3099, 0.3888

Deuteranomaly

19.0077, 0.3075, 0.3654

Tritanomaly

20.0322, 0.2456, 0.3415

Monochromacy



Original Color

20.0430, 0.2601, 0.4052

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.1191, 0.2854, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0430, 0.2601, 0.4052 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(45, 139, 105)` looks like.

```
.text, #text, p{  
    color:rgb(45, 139, 105)  
}
```

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(45, 139, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 139, 105) }
```

Border

The CSS property to change the border of an element to Yxy 20.0430, 0.2601, 0.4052 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(45, 139, 105) }
```

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

```
.border{ border-color:rgb(45, 139, 105) }
```

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

Here you see how a box with a 4 pixel rgb(45, 139, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 139, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 139, 105);  
box-shadow:4px 4px 4px 4px rgb(45, 139,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0430, 0.2601, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 139, 105) }
```

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

```
.background{ background-color: rgb(45, 139,  
105) }
```

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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