

Converting Colors

$Yxy(20.1024, 0.3026, 0.4534)$

Have a look what the booklet for
Yxy(20.1024, 0.3026, 0.4534)
contains.

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Color

$\text{Yxy}(20.0070, 0.3031, 0.4534)$

Conversions

Conversions Part 1

Format	Color
Hex	4C8950
RGB	76, 137, 80
RGB Percent	30%, 54%, 31%
CMY	0.7019, 0.4627, 0.6863
CMYK	0.45, 0.00, 0.42, 0.46
HSL	124°, 29%, 42%
HSV	124°, 45%, 54%
XYZ	13.3748, 20.0070, 10.7448
YIQ	112.2630, -18.0590, -30.6590

Conversions

Conversions Part 2

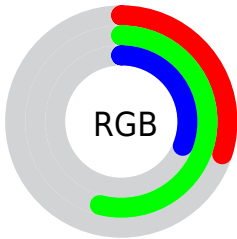
Format	Color
RYB	76, 133, 137
Decimal	5015888
CIELab	51.85, -32.37, 24.55
CIElCh	52, 40.627, 142.819
Yxy	20.0070, 0.3031, 0.4534
Android (android.graphics.Color)	4283205968 (0xFF4C8950)
YUV	112.2630, -15.9057, -31.8027
Hunter-Lab	44.7292, -24.9016, 17.0678

Details

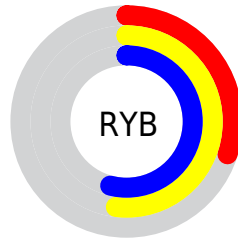
The Yxy color **20.0070, 0.3031, 0.4534** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.1835, 0.3235, 0.2300**, and the grayscale version is **16.3374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4625, 0.3068, 0.4225**, and **6.9532, 0.2926, 0.5124** is the 20% darker color. If you saturate the color by 10%, you get **19.3335, 0.3012, 0.4864**, and if you desaturate by 10%, it is **20.8378, 0.3052, 0.4212**.

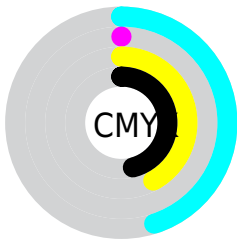
Distribution



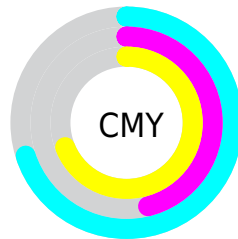
- Red (30%)
- Green (54%)
- Blue (31%)



- Red (30%)
- Yellow (52%)
- Blue (54%)



- Cyan (45%)
- Magenta (0%)
- Yellow (42%)
- Black (46%)



- Cyan (70%)
- Magenta (46%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0070, 0.3031, 0.4534 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 20.0070, 0.3031, 0.4534 by changing the saturation by 10% instead.


 20.0070, 0.3031,
0.4534


 20.0070, 0.3031,
0.4534


251.9530, 0.3109,
0.3786

 12.4001, 0.2993,
0.4779


 43.4289, 0.3071,
0.4224


 7.0168, 0.2925,
0.5137


 60.0128, 0.3082,
0.4120


 3.4726, 0.2792,
0.5703

 80.3577, 0.3090,
0.4037

 1.3832, 0.2480,
0.7520

 104.8482, 0.3096,
0.3968

 0.2043, 0.0000,
1.0000

 133.8685, 0.3100,
0.3911

 0.0000, 0.0000,
0.0000

167.8032, 0.3104,

0.3863

207.0366, 0.3107,
0.3822

■ 20.0070, 0.3031,
0.4534

■ 20.0070, 0.3031,
0.4534

■ 19.3335, 0.3012,
0.4864

■ 20.8378, 0.3052,
0.4212

■ 18.8050, 0.2997,
0.5185

■ 21.8323, 0.3075,
0.3910

■ 18.4116, 0.2987,
0.5474


■ 22.9994, 0.3097,
0.3635

■ 18.1410, 0.2984,
0.5710

■ 24.3469, 0.3118,
0.3391

■ 17.9774, 0.2986,
0.5877

■ 25.8819, 0.3138,
0.3176

 17.9112, 0.2984,
0.5942

 27.6112, 0.3156,
0.2989

 29.5414, 0.3173,
0.2827

 31.6785, 0.3188,
0.2687

 34.0285, 0.3202,
0.2566

Harmonies

Analogous

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



20.0070, 0.3749, 0.4657



20.0070, 0.3031, 0.4534



20.0070, 0.2377, 0.3903

Triad

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



20.0070, 0.3031, 0.4534



20.0070, 0.1983, 0.2198



20.0070, 0.4444, 0.3258

Complementary

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



20.0070, 0.3031, 0.4534



12.1835, 0.3235, 0.2300

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.



20.0070, 0.3850, 0.2749



20.0070, 0.3031, 0.4534



20.0070, 0.2409, 0.2166

Square

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



20.0070, 0.3031, 0.4534



20.0070, 0.1828, 0.2502



20.0070, 0.3078, 0.2364



20.0070, 0.4616, 0.3813

Rectangle

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



20.0070, 0.3031, 0.4534



20.0070, 0.2065, 0.3362



20.0070, 0.3078, 0.2364



20.0070, 0.4285, 0.3079

Sweetspot

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



20.0078, 0.3031, 0.4534



41.4657, 0.3099, 0.3604



23.4780, 0.3727, 0.4359



9.2015, 0.3095, 0.3654



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.



20.0078, 0.3031, 0.4534



34.6594, 0.3013, 0.4853



20.5449, 0.2773, 0.3871



5.6132, 0.3108, 0.3500



16.6847, 0.2983, 0.5939



0.1114, 0.2907, 0.5666

Inverse Universe

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



12.1835, 0.3235, 0.2300



18.8398, 0.3262, 0.2111



11.4780, 0.3731, 0.2785



5.1234, 0.3146, 0.3088



6.4080, 0.3375, 0.1633



0.0434, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 20.0070, 0.3031, 0.4534 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 20.0070, 0.3031, 0.4534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

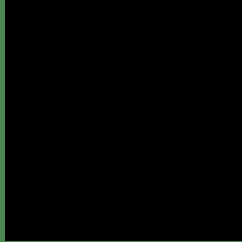
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0070, 0.3031, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 20.0070, 0.3031, 0.4534.



This preview shows how white text looks on a background with the Yxy color 20.0070, 0.3031, 0.4534.

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

20.0070, 0.3031, 0.4534

Protanopia

19.7423, 0.3834, 0.4162

Deuteranopia

19.8000, 0.3939, 0.3878



Tritanopia

19.9826, 0.2606, 0.3093

Trichromacy



Original Color

20.0070, 0.3031, 0.4534

Protanomaly

19.4849, 0.3503, 0.4301

Deuteranomaly

19.3567, 0.3557, 0.4103

Tritanomaly

19.9679, 0.2761, 0.3600

Monochromacy



Original Color

20.0070, 0.3031, 0.4534

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.2475, 0.3094, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0070, 0.3031, 0.4534 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, 137, 80)` looks like.

```
.text, #text, p{  
    color:rgb(76, 137, 80)  
}
```

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, 137, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 137, 80) }
```

Border

The CSS property to change the border of an element to Yxy 20.0070, 0.3031, 0.4534 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, 137, 80) }
```

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

```
.border{ border-color:rgb(76, 137, 80) }
```

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

Here you see how a box with a 4 pixel rgb(76, 137, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 137, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 137, 80);  
box-shadow:4px 4px 4px 4px rgb(76, 137,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0070, 0.3031, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 137, 80) }
```

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

```
.background{ background-color: rgb(76, 137,  
80) }
```

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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