

Converting Colors

$Yxy(20.3687, 0.2571, 0.4457)$

Have a look what the booklet for
Yxy(20.3687, 0.2571, 0.4457)
contains.

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Color

$\text{Yxy}(20.4352, 0.2570, 0.4451)$

Conversions

Conversions Part 1

Format	Color
Hex	008F5D
RGB	0, 143, 93
RGB Percent	0%, 56%, 36%
CMY	0.9994, 0.4392, 0.6353
CMYK	1.00, 0.00, 0.35, 0.44
HSL	159°, 100%, 28%
HSV	159°, 100%, 56%
XYZ	11.7993, 20.4352, 13.6770
YIQ	94.5430, -69.1780, -45.8660

Conversions

Conversions Part 2

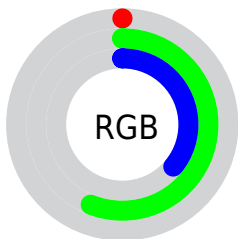
Format	Color
RYB	0, 87, 143
Decimal	36701
CIELab	52.33, -45.08, 17.64
CIELCh	52, 48.410, 158.630
Yxy	20.4352, 0.2570, 0.4451
Android (android.graphics.Color)	4278226781 (0xFF008F5D)
YUV	94.5430, -0.7607, -82.9142
Hunter-Lab	45.2053, -32.5182, 13.7053

Details

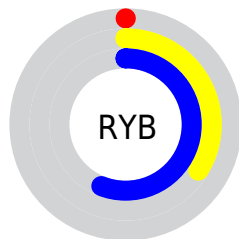
The Yxy color **20.4352, 0.2570, 0.4451** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.0742, 0.5523, 0.2817**, and the grayscale version is **11.3535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2408, 0.2705, 0.4156**, and **7.6794, 0.2687, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **20.4342, 0.2570, 0.4452**, and if you desaturate by 10%, it is **20.6237, 0.2559, 0.4321**.

Distribution



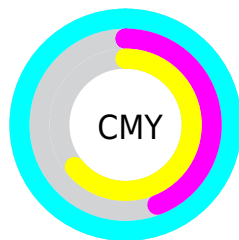
- Red (0%)
- Green (56%)
- Blue (36%)



- Red (0%)
- Yellow (34%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4352, 0.2570, 0.4451 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 20.4352, 0.2570, 0.4451 by changing the saturation by 10% instead.


 20.4352, 0.2570,
0.4451


 20.4352, 0.2570,
0.4451


254.2615, 0.2905,
0.3752


 12.7118, 0.2460,
0.4682


 44.1456, 0.2709,
0.4160


 7.2304, 0.2297,
0.5024


 60.9014, 0.2756,
0.4063

 3.6066, 0.2036,
0.5573

 81.4368, 0.2793,
0.3985

 1.4560, 0.1031,
0.7643

 106.1362, 0.2824,
0.3921

 0.2575, 0.0000,
1.0000

 135.3840, 0.2849,
0.3868

 0.0000, 0.0000,
0.0000

 169.5645, 0.2871,

0.3823

209.0622, 0.2889,
0.3785

■ 20.4352, 0.2570,
0.4451

■ 20.4352, 0.2570,
0.4451

■ 20.4342, 0.2570,
0.4452

■ 20.6237, 0.2559,
0.4321

■ 20.8817, 0.2562,
0.4189

■ 21.2423, 0.2584,
0.4058

■ 21.7174, 0.2625,
0.3928

■ 22.3174, 0.2682,
0.3803

■ 23.0513, 0.2754,
0.3684

■ 23.9274, 0.2837,
0.3572

■ 24.9532, 0.2929,
0.3469

■ 26.1358, 0.3027,
0.3375

Harmonies

Analogous

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



20.4352, 0.3387, 0.4932



20.4352, 0.2570, 0.4451



20.4352, 0.1951, 0.3495

Triad

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



20.4352, 0.2570, 0.4451



20.4352, 0.2025, 0.1980



20.4352, 0.4855, 0.3555

Complementary

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



20.4352, 0.2570, 0.4451



6.0742, 0.5523, 0.2817

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.



20.4352, 0.4401, 0.2947



20.4352, 0.2570, 0.4451



20.4352, 0.2663, 0.2090

Square

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



20.4352, 0.2570, 0.4451



20.4352, 0.1692, 0.2142



20.4352, 0.3544, 0.2432



20.4352, 0.4739, 0.4188

Rectangle

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



20.4352, 0.2570, 0.4451



20.4352, 0.1720, 0.2888



20.4352, 0.3544, 0.2432



20.4352, 0.4766, 0.3347

Sweetspot

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



20.4360, 0.2570, 0.4451



42.7264, 0.2831, 0.3580



20.3892, 0.3219, 0.5825



9.6567, 0.2798, 0.3622



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.



20.4360, 0.2570, 0.4451



36.5613, 0.2577, 0.4479



16.3874, 0.2131, 0.2872



6.0847, 0.3034, 0.3368



18.0718, 0.2568, 0.4446



0.1770, 0.2406, 0.3861

Inverse Universe

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



6.0742, 0.5523, 0.2817



10.8414, 0.5578, 0.2847



6.3121, 0.6255, 0.3414



5.4533, 0.3230, 0.3213



5.3711, 0.5513, 0.2811



0.0552, 0.4464, 0.2233

Previews

White Background



This preview shows how the Yxy color 20.4352, 0.2570, 0.4451 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 20.4352, 0.2570, 0.4451 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 20.4352, 0.2570, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 20.4352, 0.2570, 0.4451.



This preview shows how white text looks on a background with the Yxy color 20.4352, 0.2570, 0.4451.

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

20.4352, 0.2570, 0.4451

Protanopia

20.1395, 0.3712, 0.4003

Deuteranopia

20.0952, 0.3728, 0.3658



Tritanopia

20.3930, 0.2313, 0.3066

Trichromacy



Original Color

20.4352, 0.2570, 0.4451



Protanomaly

18.8685, 0.3051, 0.4226



Deuteranomaly

18.5582, 0.3050, 0.3974



Tritanomaly

20.3046, 0.2386, 0.3547

Monochromacy



Original Color

20.4352, 0.2570, 0.4451



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

13.3886, 0.2721, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4352, 0.2570, 0.4451 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(0, 143, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 93)  
}
```

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(0, 143, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 93) }
```

Border

The CSS property to change the border of an element to Yxy 20.4352, 0.2570, 0.4451 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(0, 143, 93) }
```

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

```
.border{ border-color:rgb(0, 143, 93) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4352, 0.2570, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 93) }
```

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

```
.background{ background-color: rgb(0, 143,  
93) }
```

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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