

Converting Colors

$Y_{xy}(20.0991, 0.2818, 0.3946)$

Have a look what the booklet for
Yxy(20.0991, 0.2818, 0.3946)
contains.

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Color

$Y_{xy}(20.2060, 0.2819, 0.3952)$

Conversions

Conversions Part 1

Format	Color
Hex	4D8869
RGB	77, 136, 105
RGB Percent	30%, 53%, 41%
CMY	0.6982, 0.4666, 0.5882
CMYK	0.43, 0.00, 0.23, 0.47
HSL	149°, 28%, 42%
HSV	149°, 43%, 53%
XYZ	14.4131, 20.2060, 16.5094
YIQ	114.8250, -25.2130, -22.1490

Conversions

Conversions Part 2

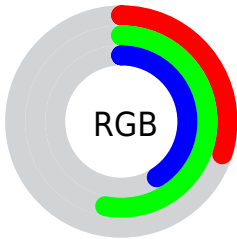
Format	Color
RYB	77, 117, 136
Decimal	5081193
CIELab	52.07, -26.77, 10.71
CIELCh	52, 28.835, 158.191
Yxy	20.2060, 0.2819, 0.3952
Android (android.graphics.Color)	4283271273 (0xFF4D8869)
YUV	114.8250, -4.8437, -33.1725
Hunter-Lab	44.9511, -21.4301, 9.6900

Details

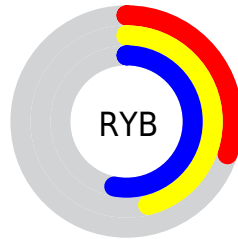
The Yxy color **20.2060, 0.2819, 0.3952** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.6197, 0.3630, 0.2719**, and the grayscale version is **17.1077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8943, 0.2897, 0.3800**, and **7.1677, 0.2672, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **19.5586, 0.2768, 0.4140**, and if you desaturate by 10%, it is **20.9857, 0.2881, 0.3776**.

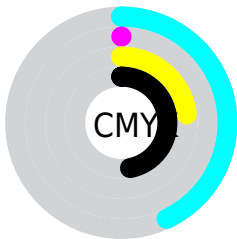
Distribution



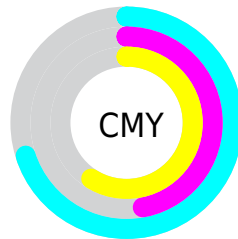
- Red (30%)
- Green (53%)
- Blue (41%)



- Red (30%)
- Yellow (46%)
- Blue (53%)



- Cyan (43%)
- Magenta (0%)
- Yellow (23%)
- Black (47%)



- Cyan (70%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2060, 0.2819, 0.3952 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 20.2060, 0.2819, 0.3952 by changing the saturation by 10% instead.

20.2060, 0.2819,
0.3952

20.2060, 0.2819,
0.3952

253.0281, 0.3001,
0.3561

12.5449, 0.2760,
0.4078

43.7623, 0.2894,
0.3791

7.1159, 0.2675,
0.4262

60.4262, 0.2919,
0.3737

3.5347, 0.2538,
0.4556

80.8599, 0.2939,
0.3694

1.4168, 0.2250,
0.5173

105.4477, 0.2956,
0.3658

0.2291, 0.0000,
1.0000

134.5741, 0.2970,
0.3628

0.0000, 0.0000,
0.0000

168.6233, 0.2982,

0.3602

207.9799, 0.2992,
0.3580

■ 20.2060, 0.2819,
0.3952

■ 20.2060, 0.2819,
0.3952

■ 19.5586, 0.2768,
0.4140

■ 20.9857, 0.2881,
0.3776

■ 19.0331, 0.2730,
0.4336

■ 21.9023, 0.2950,
0.3613

■ 18.6220, 0.2709,
0.4535

■ 22.9631, 0.3024,
0.3465

■ 18.3154, 0.2706,
0.4734

■ 24.1743, 0.3101,
0.3332

■ 18.1017, 0.2721,
0.4925

■ 25.5417, 0.3178,
0.3213

■ 17.9874, 0.2735,
0.5047

■ 27.0707, 0.3255,
0.3108

■ 28.7664, 0.3330,
0.3015

■ 30.6340, 0.3402,
0.2933

■ 32.6780, 0.3471,
0.2861

Harmonies

Analogous

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



20.2060, 0.3338, 0.4238



20.2060, 0.2819, 0.3952



20.2060, 0.2406, 0.3441

Triad

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



20.2060, 0.2819, 0.3952



20.2060, 0.2427, 0.2449



20.2060, 0.4166, 0.3506

Complementary

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



20.2060, 0.2819, 0.3952



11.6197, 0.3630, 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.



20.2060, 0.3883, 0.3092



20.2060, 0.2819, 0.3952



20.2060, 0.2848, 0.2510

Square

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



20.2060, 0.2819, 0.3952



20.2060, 0.2198, 0.2586



20.2060, 0.3384, 0.2740



20.2060, 0.4136, 0.3908

Rectangle

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



20.2060, 0.2819, 0.3952



20.2060, 0.2237, 0.3088



20.2060, 0.3384, 0.2740



20.2060, 0.4104, 0.3365

Sweetspot

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



20.2068, 0.2819, 0.3952



40.4891, 0.3025, 0.3464



21.3622, 0.3412, 0.4449



9.2865, 0.3010, 0.3492



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.



20.2068, 0.2819, 0.3952



34.4935, 0.2769, 0.4134



20.9089, 0.2573, 0.3328



5.6452, 0.3056, 0.3407



17.0246, 0.2734, 0.5043



0.1160, 0.2514, 0.4250

Inverse Universe

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



11.6197, 0.3630, 0.2719



17.3151, 0.3797, 0.2599



11.1015, 0.4169, 0.3256



5.0896, 0.3204, 0.3176



5.3912, 0.4800, 0.2418



0.0388, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 20.2060, 0.2819, 0.3952 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 20.2060, 0.2819, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

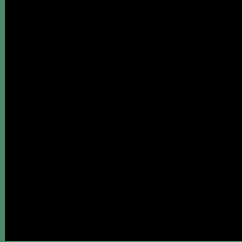
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2060, 0.2819, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 20.2060, 0.2819, 0.3952.



This preview shows how white text looks on a background with the Yxy color 20.2060, 0.2819, 0.3952.

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

20.2060, 0.2819, 0.3952

Protanopia

19.8921, 0.3511, 0.3736

Deuteranopia

19.9605, 0.3535, 0.3468



Tritanopia

20.1640, 0.2567, 0.3074

Trichromacy



Original Color

20.2060, 0.2819, 0.3952

Protanomaly

19.7574, 0.3220, 0.3827

Deuteranomaly

19.6015, 0.3233, 0.3619

Tritanomaly

20.1990, 0.2655, 0.3370

Monochromacy



Original Color

20.2060, 0.2819, 0.3952

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0803, 0.2997, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2060, 0.2819, 0.3952 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(77, 136, 105)` looks like.

```
.text, #text, p{  
    color:rgb(77, 136, 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(77, 136, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 136, 105) }
```

Border

The CSS property to change the border of an element to Yxy 20.2060, 0.2819, 0.3952 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(77, 136, 105) }
```

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

```
.border{ border-color:rgb(77, 136, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 136, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 136, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 136, 105);  
box-shadow:4px 4px 4px 4px rgb(77, 136,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2060, 0.2819, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 136, 105) }
```

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

```
.background{ background-color: rgb(77, 136,  
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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