

Converting Colors

$Y_{xy}(20.6081, 0.2430, 0.2971)$

Have a look what the booklet for
Yxy(20.6081, 0.2430, 0.2971)
contains.

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Color

$\text{Yxy}(20.7481, 0.2431, 0.2979)$

Conversions

Conversions Part 1

Format	Color
Hex	4B8696
RGB	75, 134, 150
RGB Percent	29%, 53%, 59%
CMY	0.7059, 0.4745, 0.4117
CMYK	0.50, 0.11, 0.00, 0.41
HSL	193°, 33%, 44%
HSV	193°, 50%, 59%
XYZ	16.9314, 20.7481, 31.9684
YIQ	118.1830, -40.3000, -7.5320

Conversions

Conversions Part 2

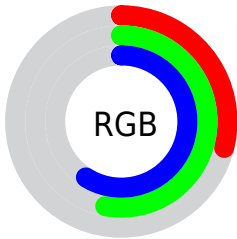
Format	Color
R _Y B	75, 108, 150
Decimal	4949654
CIE _{Lab}	52.67, -14.67, -14.53
CIE _{LCh}	53, 20.645, 224.720
Y _{xy}	20.7481, 0.2431, 0.2979
Android (android.graphics.Color)	4283139734 (0xFF4B8696)
Y _{UV}	118.1830, 15.6858, -37.8715
Hunter-Lab	45.5501, -13.3625, -9.7264

Details

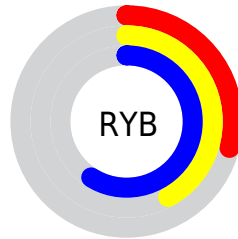
The Yxy color **20.7481, 0.2431, 0.2979** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.4735, 0.4334, 0.3566**, and the grayscale version is **18.1363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5674, 0.2583, 0.3052**, and **7.3431, 0.2171, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **19.3425, 0.2322, 0.2905**, and if you desaturate by 10%, it is **22.3247, 0.2554, 0.3050**.

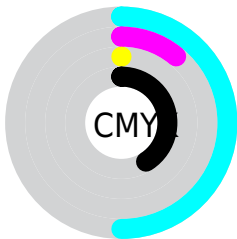
Distribution



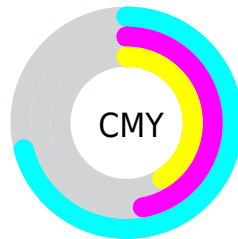
- Red (29%)
- Green (53%)
- Blue (59%)



- Red (29%)
- Yellow (42%)
- Blue (59%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (41%)



- Cyan (71%)
- Magenta (47%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7481, 0.2431, 0.2979 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 20.7481, 0.2431, 0.2979 by changing the saturation by 10% instead.

20.7481, 0.2431,
0.2979

20.7481, 0.2431,
0.2979

255.9367, 0.2816,
0.3162

12.9400, 0.2321,
0.2921

44.6679, 0.2581,
0.3054

7.3872, 0.2171,
0.2839

61.5484, 0.2634,
0.3079

3.7054, 0.1955,
0.2712

82.2219, 0.2678,
0.3100

1.5102, 0.1623,
0.2494

107.0726, 0.2715,
0.3117

0.2959, 0.0000,
0.1757

136.4851, 0.2746,
0.3131

0.0000, 0.0000,
0.0000

170.8437, 0.2773,

0.3143

210.5328, 0.2796,
0.3153

■ 20.7481, 0.2431,
0.2979

■ 20.7481, 0.2431,
0.2979

■ 19.3425, 0.2322,
0.2905

■ 22.3247, 0.2554,
0.3050

■ 18.0951, 0.2229,
0.2830

■ 24.0793, 0.2688,
0.3117

■ 16.9948, 0.2154,
0.2753

■ 26.0213, 0.2830,
0.3179

■ 16.0281, 0.2098,
0.2677

■ 28.1588, 0.2977,
0.3237

■ 15.1606, 0.2056,
0.2601

■ 30.4993, 0.3127,
0.3290

■ 33.0499, 0.3277,
0.3338

■ 35.8172, 0.3424,
0.3380

■ 38.8077, 0.3568,
0.3418

■ 42.0275, 0.3708,
0.3452

Harmonies

Analogous

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



20.7481, 0.2560, 0.3321



20.7481, 0.2431, 0.2979



20.7481, 0.2473, 0.2751

Triad

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



20.7481, 0.2431, 0.2979



20.7481, 0.3397, 0.2940



20.7481, 0.3566, 0.3958

Complementary

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



20.7481, 0.2431, 0.2979



14.4735, 0.4334, 0.3566

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.



20.7481, 0.3816, 0.3802



20.7481, 0.2431, 0.2979



20.7481, 0.3721, 0.3219

Square

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



20.7481, 0.2431, 0.2979



20.7481, 0.3012, 0.2745



20.7481, 0.3877, 0.3528



20.7481, 0.3206, 0.3922

Rectangle

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



20.7481, 0.2431, 0.2979



20.7481, 0.2594, 0.2683



20.7481, 0.3877, 0.3528



20.7481, 0.3666, 0.3924

Sweetspot

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



20.7489, 0.2431, 0.2979



47.6518, 0.2899, 0.3207



24.0480, 0.2943, 0.4521



10.4034, 0.2871, 0.3196



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.7489, 0.2431, 0.2979



33.8598, 0.2310, 0.2897



12.3390, 0.2288, 0.2218



6.3544, 0.2990, 0.3242



12.6204, 0.2057, 0.2606



0.1965, 0.2157, 0.2965

Inverse Universe

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



13.2369, 0.3420, 0.2334



19.6881, 0.3507, 0.2155



22.3009, 0.4009, 0.4158



5.8882, 0.3168, 0.3118



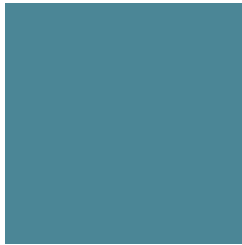
6.4674, 0.3818, 0.1877



0.0834, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 20.7481, 0.2431, 0.2979 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 20.7481, 0.2431, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

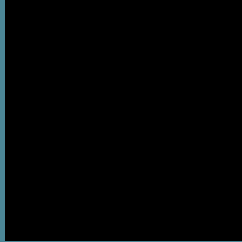
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7481, 0.2431, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 20.7481, 0.2431, 0.2979.



This preview shows how white text looks on a background with the Yxy color 20.7481, 0.2431, 0.2979.

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

20.7481, 0.2431, 0.2979

Protanopia

20.5360, 0.2901, 0.2950

Deuteranopia

20.5041, 0.2821, 0.2752



Tritanopia

20.8591, 0.2457, 0.3073

Trichromacy



Original Color

20.7481, 0.2431, 0.2979

Protanomaly

20.5169, 0.2699, 0.2956

Deuteranomaly

20.2529, 0.2651, 0.2815

Tritanomaly

20.8904, 0.2450, 0.3054

Monochromacy



Original Color

20.7481, 0.2431, 0.2979

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.8518, 0.2812, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7481, 0.2431, 0.2979 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(75, 134, 150)` looks like.

```
.text, #text, p{  
  color:rgb(75, 134, 150)  
}
```

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(75, 134, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 134, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.7481, 0.2431, 0.2979 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(75, 134, 150) }
```

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

```
.border{ border-color:rgb(75, 134, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 134, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 134, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 134, 150);  
box-shadow:4px 4px 4px 4px rgb(75, 134,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7481, 0.2431, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 134, 150) }
```

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

```
.background{ background-color: rgb(75, 134,  
150) }
```

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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