

Converting Colors

$Y_{xy}(20.4841, 0.2465, 0.3146)$

Have a look what the booklet for
Yxy(20.4841, 0.2465, 0.3146)
contains.

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Color

Yxy(20.6205, 0.2465, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	47878E
RGB	71, 135, 142
RGB Percent	28%, 53%, 56%
CMY	0.7218, 0.4705, 0.4431
CMYK	0.50, 0.05, 0.00, 0.44
HSL	186°, 33%, 42%
HSV	186°, 50%, 56%
XYZ	16.1415, 20.6205, 28.7207
YIQ	116.6620, -40.3910, -11.3910

Conversions

Conversions Part 2

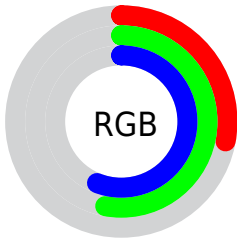
Format	Color
R_{YB}	71, 105, 142
Decimal	4687758
CIE _{Lab}	52.53, -18.51, -10.11
CIE _{LCh}	53, 21.086, 208.641
Yxy	20.6205, 0.2465, 0.3149
Android (android.graphics.Color)	4282877838 (0xFF47878E)
YUV	116.6620, 12.4916, -40.0456
Hunter-Lab	45.4098, -16.0171, -5.7128

Details

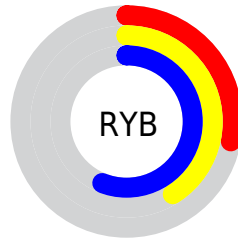
The Yxy color **20.6205, 0.2465, 0.3149** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.6437, 0.4407, 0.3418**, and the grayscale version is **17.6452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3119, 0.2608, 0.3175**, and **7.3213, 0.2213, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **19.7589, 0.2370, 0.3117**, and if you desaturate by 10%, it is **21.6142, 0.2576, 0.3181**.

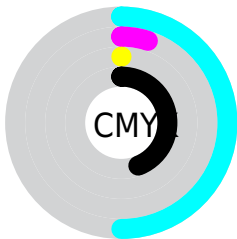
Distribution



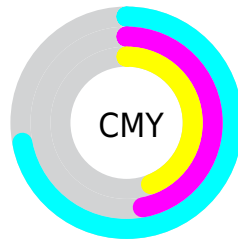
- Red (28%)
- Green (53%)
- Blue (56%)



- Red (28%)
- Yellow (41%)
- Blue (56%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (44%)



- Cyan (72%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6205, 0.2465, 0.3149 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 20.6205, 0.2465, 0.3149 by changing the saturation by 10% instead.

20.6205, 0.2465,
0.3149

20.6205, 0.2465,
0.3149

255.2547, 0.2833,
0.3237

12.8469, 0.2359,
0.3119

44.4551, 0.2609,
0.3186

7.3232, 0.2213,
0.3074

61.2848, 0.2660,
0.3198

3.6650, 0.2001,
0.3001

81.9021, 0.2702,
0.3208

1.4880, 0.1670,
0.2865

106.6912, 0.2736,
0.3216

0.2803, 0.0000,
0.2168

136.0367, 0.2766,
0.3223

0.0000, 0.0000,
0.0000

170.3228, 0.2792,

0.3228

209.9340, 0.2814,
0.3233

■ 20.6205, 0.2465,
0.3149

■ 20.6205, 0.2465,
0.3149

■ 19.7589, 0.2370,
0.3117

■ 21.6142, 0.2576,
0.3181

■ 19.0182, 0.2293,
0.3084

■ 22.7457, 0.2700,
0.3211

■ 18.3891, 0.2233,
0.3050

■ 24.0232, 0.2835,
0.3239

■ 17.8598, 0.2192,
0.3018

■ 25.4535, 0.2978,
0.3266

■ 17.3999, 0.2163,
0.2985

■ 27.0430, 0.3127,
0.3290

■ 28.7977, 0.3278,
0.3312

■ 30.7233, 0.3430,
0.3332

■ 32.8252, 0.3581,
0.3350

■ 35.1087, 0.3728,
0.3366

Harmonies

Analogous

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



20.6205, 0.2684, 0.3526



20.6205, 0.2465, 0.3149



20.6205, 0.2414, 0.2845

Triad

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



20.6205, 0.2465, 0.3149



20.6205, 0.3192, 0.2812



20.6205, 0.3733, 0.3908

Complementary

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



20.6205, 0.2465, 0.3149



11.6437, 0.4407, 0.3418

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.



20.6205, 0.3894, 0.3672



20.6205, 0.2465, 0.3149



20.6205, 0.3573, 0.3057

Square

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



20.6205, 0.2465, 0.3149



20.6205, 0.2814, 0.2677



20.6205, 0.3836, 0.3363



20.6205, 0.3412, 0.3985

Rectangle

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



20.6205, 0.2465, 0.3149



20.6205, 0.2477, 0.2720



20.6205, 0.3836, 0.3363



20.6205, 0.3808, 0.3842

Sweetspot

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



20.6213, 0.2465, 0.3149



43.5212, 0.2902, 0.3252



21.2175, 0.3010, 0.4695



9.6180, 0.2875, 0.3247



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.



20.6213, 0.2465, 0.3149



34.6742, 0.2360, 0.3113



12.5102, 0.2326, 0.2407



6.0269, 0.2990, 0.3268



15.6371, 0.2163, 0.2986



0.1665, 0.2208, 0.3148

Inverse Universe

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



11.9992, 0.3287, 0.2219



17.9721, 0.3330, 0.2022



17.8800, 0.4078, 0.4022



5.5020, 0.3151, 0.3094



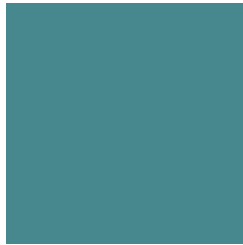
6.5649, 0.3466, 0.1683



0.0645, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 20.6205, 0.2465, 0.3149 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 20.6205, 0.2465, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

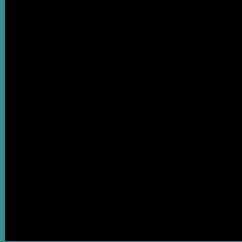
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6205, 0.2465, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 20.6205, 0.2465, 0.3149.



This preview shows how white text looks on a background with the Yxy color 20.6205, 0.2465, 0.3149.

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

20.6205, 0.2465, 0.3149

Protanopia

20.4497, 0.3007, 0.3091

Deuteranopia

20.4754, 0.2935, 0.2886



Tritanopia

20.4722, 0.2446, 0.3071

Trichromacy



Original Color

20.6205, 0.2465, 0.3149

Protanomaly

20.2766, 0.2772, 0.3100

Deuteranomaly

20.3182, 0.2735, 0.2974

Tritanomaly

20.4415, 0.2454, 0.3090

Monochromacy



Original Color

20.6205, 0.2465, 0.3149

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.6310, 0.2830, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6205, 0.2465, 0.3149 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(71, 135, 142)` looks like.

```
.text, #text, p{  
    color:rgb(71, 135, 142)  
}
```

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(71, 135, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 135, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.6205, 0.2465, 0.3149 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(71, 135, 142) }
```

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

```
.border{ border-color:rgb(71, 135, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 135, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 135, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 135, 142);  
box-shadow:4px 4px 4px 4px rgb(71, 135,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6205, 0.2465, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 135, 142) }
```

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

```
.background{ background-color: rgb(71, 135,  
142) }
```

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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