

Converting Colors

$Y_{xy}(20.7469, 0.2501, 0.3169)$

Have a look what the booklet for
Yxy(20.7469, 0.2501, 0.3169)
contains.

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Color

Yxy(20.7469, 0.2501, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	4B878D
RGB	75, 135, 141
RGB Percent	29%, 53%, 55%
CMY	0.7059, 0.4706, 0.4470
CMYK	0.47, 0.04, 0.00, 0.45
HSL	185°, 31%, 42%
HSV	185°, 47%, 55%
XYZ	16.3736, 20.7469, 28.3478
YIQ	117.7440, -37.6860, -10.8540

Conversions

Conversions Part 2

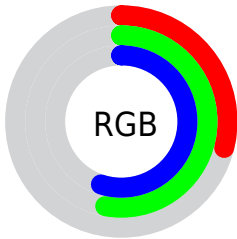
Format	Color
R_{YB}	75, 106, 141
Decimal	4949901
CIE _{Lab}	52.67, -17.79, -9.31
CIE _{LCh}	53, 20.076, 207.624
Yxy	20.7469, 0.2501, 0.3169
Android (android.graphics.Color)	4283139981 (0xFF4B878D)
YUV	117.7440, 11.4652, -37.4865
Hunter-Lab	45.5488, -15.5441, -5.0156

Details

The Yxy color **20.7469, 0.2501, 0.3169** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.0579, 0.4289, 0.3402**, and the grayscale version is **18.0048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4958, 0.2633, 0.3189**, and **7.3809, 0.2263, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **19.8844, 0.2402, 0.3139**, and if you desaturate by 10%, it is **21.7414, 0.2615, 0.3198**.

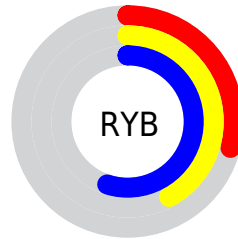
Distribution



Red (29%)

Green (53%)

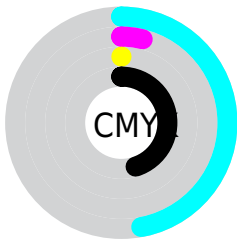
Blue (55%)



Red (29%)

Yellow (42%)

Blue (55%)

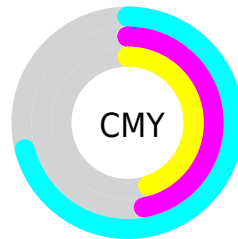


Cyan (47%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (71%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7469, 0.2501, 0.3169 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 20.7469, 0.2501, 0.3169 by changing the saturation by 10% instead.

20.7469, 0.2501,
0.3169

20.7469, 0.2501,
0.3169

255.9303, 0.2849,
0.3245

12.9391, 0.2400,
0.3143

44.6659, 0.2637,
0.3201

7.3866, 0.2262,
0.3104

61.5460, 0.2685,
0.3212

3.7051, 0.2060,
0.3040

82.2189, 0.2725,
0.3220

1.5100, 0.1742,
0.2921

107.0690, 0.2758,
0.3227

0.2957, 0.0000,
0.2331

136.4809, 0.2786,
0.3232

0.0000, 0.0000,
0.0000

170.8388, 0.2810,

0.3237

210.5271, 0.2831,
0.3241

■ 20.7469, 0.2501,
0.3169

■ 20.7469, 0.2501,
0.3169

■ 19.8844, 0.2402,
0.3139

■ 21.7414, 0.2615,
0.3198

■ 19.1430, 0.2319,
0.3109

■ 22.8731, 0.2743,
0.3225

■ 18.5141, 0.2255,
0.3078

■ 24.1499, 0.2880,
0.3251

■ 17.9868, 0.2209,
0.3048

■ 25.5784, 0.3025,
0.3275

■ 17.5421, 0.2178,
0.3018

■ 27.1647, 0.3175,
0.3297

■ 17.4063, 0.2169,
0.3008

■ 28.9146, 0.3327,
0.3317

■ 30.8337, 0.3479,
0.3335

■ 32.9271, 0.3629,
0.3350

■ 35.1999, 0.3776,
0.3364

Harmonies

Analogous

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



20.7469, 0.2715, 0.3526



20.7469, 0.2501, 0.3169



20.7469, 0.2446, 0.2876

Triad

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



20.7469, 0.2501, 0.3169



20.7469, 0.3176, 0.2828



20.7469, 0.3712, 0.3872

Complementary

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



20.7469, 0.2501, 0.3169



12.0579, 0.4289, 0.3402

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.



20.7469, 0.3857, 0.3646



20.7469, 0.2501, 0.3169



20.7469, 0.3540, 0.3059

Square

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



20.7469, 0.2501, 0.3169



20.7469, 0.2819, 0.2703



20.7469, 0.3795, 0.3351



20.7469, 0.3411, 0.3950

Rectangle

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



20.7469, 0.2501, 0.3169



20.7469, 0.2503, 0.2752



20.7469, 0.3795, 0.3351



20.7469, 0.3781, 0.3810

Sweetspot

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



20.7477, 0.2501, 0.3169



43.8553, 0.2916, 0.3257



21.1372, 0.3016, 0.4589



9.6899, 0.2889, 0.3252



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.



20.7477, 0.2501, 0.3169



35.5456, 0.2398, 0.3138



13.0207, 0.2379, 0.2476



6.0335, 0.2990, 0.3269



15.8788, 0.2169, 0.3009



0.1677, 0.2211, 0.3159

Inverse Universe

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



12.4444, 0.3268, 0.2275



19.0589, 0.3305, 0.2081



18.0958, 0.4004, 0.3977



5.5027, 0.3150, 0.3092



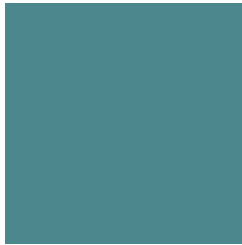
6.5893, 0.3446, 0.1672



0.0646, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 20.7469, 0.2501, 0.3169 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 20.7469, 0.2501, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

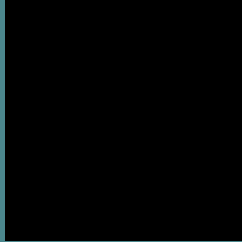
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7469, 0.2501, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 20.7469, 0.2501, 0.3169.



This preview shows how white text looks on a background with the Yxy color 20.7469, 0.2501, 0.3169.

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

20.7469, 0.2501, 0.3169

Protanopia

20.4965, 0.3029, 0.3109

Deuteranopia

20.5219, 0.2957, 0.2904



Tritanopia

20.6310, 0.2475, 0.3073

Trichromacy



Original Color

20.7469, 0.2501, 0.3169

Protanomaly

20.3703, 0.2802, 0.3119

Deuteranomaly

20.4131, 0.2765, 0.2993

Tritanomaly

20.6003, 0.2482, 0.3092

Monochromacy



Original Color

20.7469, 0.2501, 0.3169

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.7464, 0.2852, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7469, 0.2501, 0.3169 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, 135, 141)` looks like.

```
.text, #text, p{  
    color:rgb(75, 135, 141)  
}
```

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, 135, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 135, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.7469, 0.2501, 0.3169 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, 135, 141) }
```

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

```
.border{ border-color:rgb(75, 135, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 135, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 135, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 135, 141);  
box-shadow:4px 4px 4px 4px rgb(75, 135,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7469, 0.2501, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 135, 141) }
```

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

```
.background{ background-color: rgb(75, 135,  
141) }
```

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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