

Converting Colors

$Y_{xy}(20.3374, 0.2536, 0.3387)$

Have a look what the booklet for
Yxy(20.3374, 0.2536, 0.3387)
contains.

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Color

$\text{Yxy}(20.2318, 0.2535, 0.3371)$

Conversions

Conversions Part 1

Format	Color
Hex	458783
RGB	69, 135, 131
RGB Percent	27%, 53%, 51%
CMY	0.7294, 0.4706, 0.4863
CMYK	0.49, 0.00, 0.03, 0.47
HSL	176°, 32%, 40%
HSV	176°, 49%, 53%
XYZ	15.2144, 20.2318, 24.5710
YIQ	114.8100, -38.0520, -15.2360

Conversions

Conversions Part 2

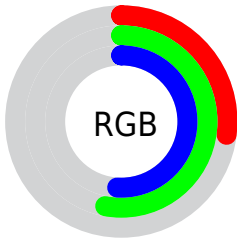
Format	Color
R _{YB}	69, 103, 135
Decimal	4556675
CIE _{Lab}	52.10, -22.04, -4.35
CIE _{LCh}	52, 22.470, 191.170
Y _{xy}	20.2318, 0.2535, 0.3371
Android (android.graphics.Color)	4282746755 (0xFF458783)
Y _{UV}	114.8100, 7.9817, -40.1754
Hunter-Lab	44.9798, -18.3372, -0.9024

Details

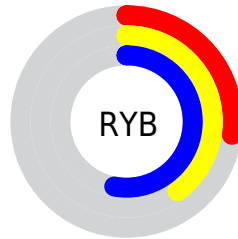
The Yxy color **20.2318, 0.2535, 0.3371** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.8895, 0.4336, 0.3218**, and the grayscale version is **17.0684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9935, 0.2665, 0.3362**, and **7.1514, 0.2301, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **19.7716, 0.2453, 0.3390**, and if you desaturate by 10%, it is **20.8062, 0.2633, 0.3352**.

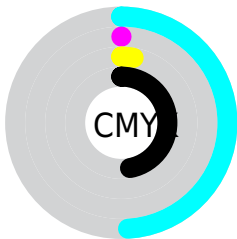
Distribution



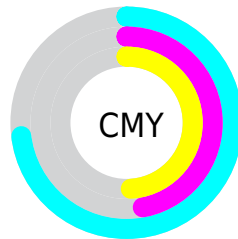
- Red (27%)
- Green (53%)
- Blue (51%)



- Red (27%)
- Yellow (40%)
- Blue (53%)



- Cyan (49%)
- Magenta (0%)
- Yellow (3%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2318, 0.2535, 0.3371 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 20.2318, 0.2535, 0.3371 by changing the saturation by 10% instead.


 20.2318, 0.2535,
0.3371


 20.2318, 0.2535,
0.3371


253.1672, 0.2868,
0.3330


 12.5637, 0.2437,
0.3381


 43.8055, 0.2666,
0.3356


 7.1288, 0.2301,
0.3392


 60.4798, 0.2712,
0.3351

 3.5428, 0.2100,
0.3405

 80.9249, 0.2750,
0.3346

 1.4212, 0.1767,
0.3417

 105.5253, 0.2781,
0.3342

 0.2323, 0.0000,
0.2942

 134.6654, 0.2808,
0.3338

 0.0000, 0.0000,
0.0000

168.7294, 0.2831,

0.3335

208.1019, 0.2850,
0.3332

■ 20.2318, 0.2535,
0.3371

■ 20.2318, 0.2535,
0.3371

■ 19.7716, 0.2453,
0.3390

■ 20.8062, 0.2633,
0.3352

■ 19.4153, 0.2389,
0.3410

■ 21.4992, 0.2745,
0.3335

■ 19.1552, 0.2343,
0.3430


■ 22.3182, 0.2869,
0.3318

■ 18.9811, 0.2315,
0.3449

■ 23.2692, 0.3003,
0.3303


■ 18.8677, 0.2299,
0.3469


■ 24.3576, 0.3143,
0.3289

 18.8556, 0.2298,
0.3471

 25.5888, 0.3288,
0.3276

 26.9677, 0.3434,
0.3264

 28.4992, 0.3580,
0.3254

 30.1877, 0.3724,
0.3245

Harmonies

Analogous

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



20.2318, 0.2854, 0.3763



20.2318, 0.2535, 0.3371



20.2318, 0.2375, 0.2985

Triad

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



20.2318, 0.2535, 0.3371



20.2318, 0.2952, 0.2680



20.2318, 0.3903, 0.3816

Complementary

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



20.2318, 0.2535, 0.3371



9.8895, 0.4336, 0.3218

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.



20.2318, 0.3943, 0.3507



20.2318, 0.2535, 0.3371



20.2318, 0.3373, 0.2877

Square

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



20.2318, 0.2535, 0.3371



20.2318, 0.2602, 0.2619



20.2318, 0.3746, 0.3171



20.2318, 0.3646, 0.4012

Rectangle

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



20.2318, 0.2535, 0.3371



20.2318, 0.2370, 0.2791



20.2318, 0.3746, 0.3171



20.2318, 0.3943, 0.3721

Sweetspot

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



20.2326, 0.2535, 0.3371



40.5426, 0.2916, 0.3312



19.1909, 0.3100, 0.4752



9.3192, 0.2891, 0.3315



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.



20.2326, 0.2535, 0.3371



35.3026, 0.2443, 0.3393



13.4064, 0.2390, 0.2665



5.2741, 0.3000, 0.3303



17.3871, 0.2297, 0.3470



0.0606, 0.2270, 0.3372

Inverse Universe

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



9.8895, 0.4336, 0.3218



14.4337, 0.4804, 0.3209



14.2425, 0.4138, 0.3828



4.6930, 0.3270, 0.3277



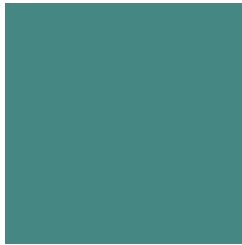
4.7671, 0.6304, 0.3247



0.0168, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 20.2318, 0.2535, 0.3371 looks on a white background.

Color Contrast Check

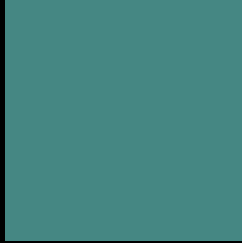
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2318, 0.2535, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

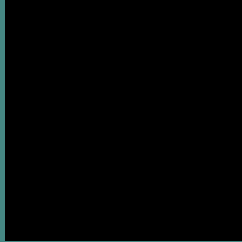
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2318, 0.2535, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 20.2318, 0.2535, 0.3371.



This preview shows how white text looks on a background with the Yxy color 20.2318, 0.2535, 0.3371.

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

20.2318, 0.2535, 0.3371

Protanopia

20.0568, 0.3152, 0.3272

Deuteranopia

19.9795, 0.3102, 0.3041



Tritanopia

20.2051, 0.2457, 0.3070

Trichromacy



Original Color

20.2318, 0.2535, 0.3371

Protanomaly

19.7143, 0.2877, 0.3289

Deuteranomaly

19.5488, 0.2848, 0.3136

Tritanomaly

20.2920, 0.2491, 0.3188

Monochromacy



Original Color

20.2318, 0.2535, 0.3371

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.8962, 0.2857, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2318, 0.2535, 0.3371 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(69, 135, 131)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 131)  
}
```

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(69, 135, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 131) }
```

Border

The CSS property to change the border of an element to Yxy 20.2318, 0.2535, 0.3371 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(69, 135, 131) }
```

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

```
.border{ border-color:rgb(69, 135, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 135, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 135, 131); box-shadow:4px 4px 4px 4px rgb(69, 135, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2318, 0.2535, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 131) }
```

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

```
.background{ background-color: rgb(69, 135,  
131) }
```

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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