

Converting Colors

$Y_{xy}(20.1012, 0.2537, 0.3432)$

Have a look what the booklet for
Yxy(20.1012, 0.2537, 0.3432)
contains.

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Color

Yxy(20.0447, 0.2537, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	428780
RGB	66, 135, 128
RGB Percent	26%, 53%, 50%
CMY	0.7413, 0.4706, 0.4981
CMYK	0.51, 0.00, 0.05, 0.47
HSL	174°, 34%, 39%
HSV	174°, 51%, 53%
XYZ	14.8045, 20.0447, 23.5051
YIQ	113.5710, -38.8770, -16.8050

Conversions

Conversions Part 2

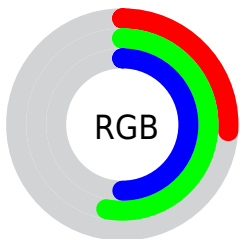
Format	Color
RYB	66, 102, 135
Decimal	4360064
CIELab	51.89, -23.60, -2.93
CIElCh	52, 23.778, 187.076
Yxy	20.0447, 0.2537, 0.3435
Android (android.graphics.Color)	4282550144 (0xFF428780)
YUV	113.5710, 7.1135, -41.7198
Hunter-Lab	44.7713, -19.3254, 0.2124

Details

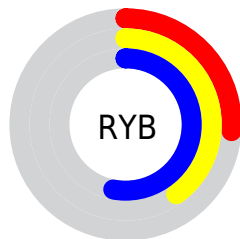
The Yxy color **20.0447, 0.2537, 0.3435** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5254, 0.4364, 0.3163**, and the grayscale version is **16.6771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6533, 0.2665, 0.3407**, and **7.0615, 0.2303, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **19.5949, 0.2462, 0.3468**, and if you desaturate by 10%, it is **20.6072, 0.2628, 0.3403**.

Distribution



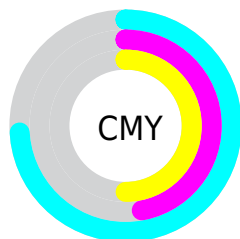
- Red (26%)
- Green (53%)
- Blue (50%)



- Red (26%)
- Yellow (40%)
- Blue (53%)



- Cyan (51%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)





- Cyan (74%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0447, 0.2537, 0.3435 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 20.0447, 0.2537, 0.3435 by changing the saturation by 10% instead.


 20.0447, 0.2537,
0.3435


 20.0447, 0.2537,
0.3435


252.1570, 0.2870,
0.3356


 12.4275, 0.2439,
0.3457


 43.4921, 0.2668,
0.3405


 7.0356, 0.2301,
0.3485


 60.0912, 0.2714,
0.3394


 3.4843, 0.2098,
0.3525

 80.4530, 0.2752,
0.3385

 1.3895, 0.1743,
0.3590

 104.9619, 0.2783,
0.3378

 0.2090, 0.0000,
0.3259

 134.0024, 0.2810,
0.3371

 0.0000, 0.0000,
0.0000

167.9588, 0.2833,

0.3366

207.2155, 0.2852,
0.3361

■ 20.0447, 0.2537,
0.3435

■ 20.0447, 0.2537,
0.3435

■ 19.5949, 0.2462,
0.3468

■ 20.6072, 0.2628,
0.3403

■ 19.2476, 0.2405,
0.3502

■ 21.2873, 0.2734,
0.3373

■ 18.9946, 0.2365,
0.3536

■ 22.0922, 0.2851,
0.3344

■ 18.8254, 0.2344,
0.3570

■ 23.0280, 0.2978,
0.3317

■ 18.7174, 0.2333,
0.3599

■ 24.1005, 0.3112,
0.3293

■ 25.3149, 0.3250,
0.3270

■ 26.6762, 0.3389,
0.3251

■ 28.1894, 0.3529,
0.3233

■ 29.8589, 0.3667,
0.3217

Harmonies

Analogous

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



20.0447, 0.2892, 0.3842



20.0447, 0.2537, 0.3435



20.0447, 0.2343, 0.3015

Triad

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



20.0447, 0.2537, 0.3435



20.0447, 0.2883, 0.2628



20.0447, 0.3970, 0.3804

Complementary

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



20.0447, 0.2537, 0.3435



9.5254, 0.4364, 0.3163

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.



20.0447, 0.3980, 0.3468



20.0447, 0.2537, 0.3435



20.0447, 0.3326, 0.2818

Square

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



20.0447, 0.2537, 0.3435



20.0447, 0.2532, 0.2585



20.0447, 0.3738, 0.3117



20.0447, 0.3724, 0.4038

Rectangle

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



20.0447, 0.2537, 0.3435



20.0447, 0.2321, 0.2796



20.0447, 0.3738, 0.3117



20.0447, 0.4002, 0.3699

Sweetspot

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



20.0455, 0.2537, 0.3435



40.5006, 0.2924, 0.3328



19.1800, 0.3130, 0.4813



9.3084, 0.2901, 0.3333



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.



20.0455, 0.2537, 0.3435



35.0002, 0.2454, 0.3472



13.7468, 0.2373, 0.2710



5.2709, 0.3005, 0.3312



17.2587, 0.2333, 0.3598



0.0604, 0.2287, 0.3432

Inverse Universe

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



9.5254, 0.4364, 0.3163



14.0064, 0.4814, 0.3147



13.2743, 0.4235, 0.3788



4.6958, 0.3264, 0.3268



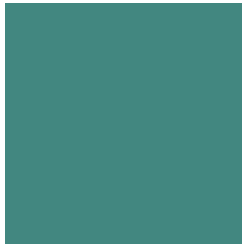
4.7794, 0.6238, 0.3210



0.0170, 0.5618, 0.2869

Previews

White Background



This preview shows how the Yxy color 20.0447, 0.2537, 0.3435 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 20.0447, 0.2537, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

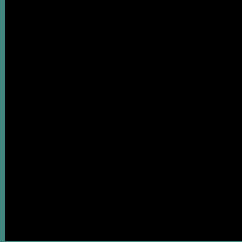
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0447, 0.2537, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 20.0447, 0.2537, 0.3435.



This preview shows how white text looks on a background with the Yxy color 20.0447, 0.2537, 0.3435.

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

20.0447, 0.2537, 0.3435

Protanopia

19.7352, 0.3188, 0.3309

Deuteranopia

19.8969, 0.3136, 0.3093



Tritanopia

20.0978, 0.2450, 0.3089

Trichromacy



Original Color

20.0447, 0.2537, 0.3435

Protanomaly

19.5770, 0.2897, 0.3348

Deuteranomaly

19.4047, 0.2867, 0.3193

Tritanomaly

20.1504, 0.2478, 0.3207

Monochromacy



Original Color

20.0447, 0.2537, 0.3435

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.7924, 0.2866, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0447, 0.2537, 0.3435 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(66, 135, 128)` looks like.

```
.text, #text, p{  
  color:rgb(66, 135, 128)  
}
```

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(66, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 135, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.0447, 0.2537, 0.3435 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(66, 135, 128) }
```

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

```
.border{ border-color:rgb(66, 135, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 135, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 135, 128);  
box-shadow:4px 4px 4px 4px rgb(66, 135,  
128) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.0447, 0.2537, 0.3435$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 135, 128) }
```

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

```
.background{ background-color: rgb(66, 135,  
128) }
```

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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