

Converting Colors

$Y_{xy}(20.1556, 0.3353, 0.3372)$

Have a look what the booklet for
Yxy(20.1556, 0.3353, 0.3372)
contains.

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Color

Yxy(20.1100, 0.3351, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	877975
RGB	135, 121, 117
RGB Percent	53%, 47%, 46%
CMY	0.4706, 0.5255, 0.5412
CMYK	0.00, 0.10, 0.13, 0.47
HSL	13°, 7%, 49%
HSV	13°, 13%, 53%
XYZ	20.0382, 20.1100, 19.6496
YIQ	124.7300, 9.6280, 1.7240

Conversions

Conversions Part 2

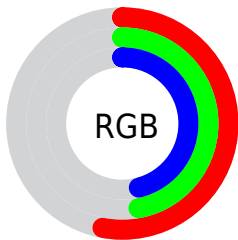
Format	Color
R _Y B	135, 122, 117
Decimal	8878453
CIE Lab	51.96, 4.65, 4.15
CIE LCh	52, 6.233, 41.785
Yxy	20.1100, 0.3351, 0.3363
Android (android.graphics.Color)	4287068533 (0xFF877975)
YUV	124.7300, -3.8109, 9.0068
Hunter-Lab	44.8442, 1.2839, 5.4116

Details

The Yxy color **20.1100, 0.3351, 0.3363** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.7540, 0.2930, 0.3216**, and the grayscale version is **20.4232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4431, 0.3297, 0.3343**, and **7.1261, 0.3437, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **17.4048, 0.3558, 0.3422**, and if you desaturate by 10%, it is **23.1397, 0.3178, 0.3308**.

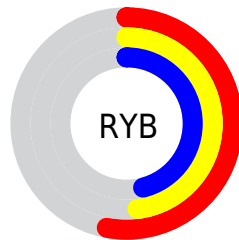
Distribution



Red (53%)

Green (47%)

Blue (46%)



Red (53%)

Yellow (48%)

Blue (46%)

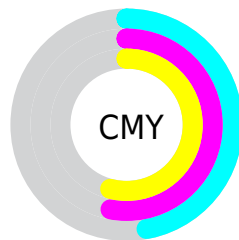


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (47%)



Cyan (47%)


Magenta (53%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1100, 0.3351, 0.3363 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 20.1100, 0.3351, 0.3363 by changing the saturation by 10% instead.


 20.1100, 0.3351,
0.3363


 20.1100, 0.3351,
0.3363


252.5100, 0.3223,
0.3322


 12.4750, 0.3390,
0.3375


 43.6015, 0.3300,
0.3347

 7.0681, 0.3445,
0.3391


 60.2269, 0.3282,
0.3342

 3.5047, 0.3530,
0.3415

 80.6178, 0.3268,
0.3337

 1.4006, 0.3677,
0.3453

105.1587, 0.3256,
0.3333

 0.2171, 0.5956,
0.4044

134.2340, 0.3246,
0.3330

 0.0000, 0.0000,
0.0000

168.2280, 0.3237,

0.3327

207.5252, 0.3229,
0.3325

■ 20.1100, 0.3351,
0.3363

■ 20.1100, 0.3351,
0.3363

■ 17.4048, 0.3558,
0.3422

■ 23.1397, 0.3178,
0.3308

■ 15.0107, 0.3803,
0.3482

■ 26.5014, 0.3034,
0.3256

■ 12.9171, 0.4093,
0.3541

■ 30.2059, 0.2913,
0.3209

■ 11.1121, 0.4427,
0.3593

■ 34.2625, 0.2812,
0.3166

■ 9.5827, 0.4798,
0.3632

■ 38.6802, 0.2726,
0.3127

■ 8.3150, 0.5189,
0.3648

■ 43.4678, 0.2653,
0.3091

■ 7.2938, 0.5569,
0.3633

■ 48.6336, 0.2591,
0.3059

■ 6.5023, 0.5896,
0.3581

■ 54.1857, 0.2537,
0.3030

■ 6.0873, 0.6091,
0.3545

■ 60.1321, 0.2491,
0.3003

Harmonies

Analogous

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



20.1100, 0.3299, 0.3263



20.1100, 0.3351, 0.3363



20.1100, 0.3342, 0.3446

Triad

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



20.1100, 0.3351, 0.3363



20.1100, 0.3052, 0.3414



20.1100, 0.2980, 0.3095

Complementary

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



20.1100, 0.3351, 0.3363



21.7540, 0.2930, 0.3216

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.



20.1100, 0.2917, 0.3131



20.1100, 0.3351, 0.3363



20.1100, 0.2958, 0.3315

Square

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



20.1100, 0.3351, 0.3363



20.1100, 0.3167, 0.3478



20.1100, 0.2909, 0.3211



20.1100, 0.3084, 0.3110

Rectangle

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



20.1100, 0.3351, 0.3363



20.1100, 0.3302, 0.3481



20.1100, 0.2909, 0.3211



20.1100, 0.2954, 0.3101

Sweetspot

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



20.1109, 0.3351, 0.3363



41.0171, 0.3190, 0.3312



19.5101, 0.3188, 0.3041



9.4100, 0.3201, 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.



20.1109, 0.3351, 0.3363



34.4966, 0.3409, 0.3380



22.3705, 0.3330, 0.3519



4.8452, 0.3274, 0.3339



5.6315, 0.6086, 0.3550



0.0288, 0.5406, 0.4090

Inverse Universe

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



21.7540, 0.2930, 0.3216



38.0315, 0.2886, 0.3198



19.4700, 0.2926, 0.3050



5.1071, 0.2992, 0.3240



10.9182, 0.2049, 0.2576



0.0486, 0.2152, 0.2948

Previews

White Background



This preview shows how the Yxy color 20.1100, 0.3351, 0.3363 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 20.1100, 0.3351, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

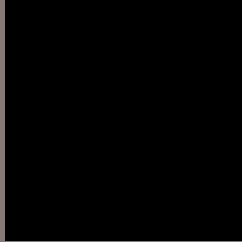
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1100, 0.3351, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 20.1100, 0.3351, 0.3363.



This preview shows how white text looks on a background with the Yxy color 20.1100, 0.3351, 0.3363.

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

20.1100, 0.3351, 0.3363

Protanopia

19.9859, 0.3234, 0.3383

Deuteranopia

20.1206, 0.3392, 0.3344



Tritanopia

20.0970, 0.3236, 0.3115

Trichromacy



Original Color

20.1100, 0.3351, 0.3363

Protanomaly

19.9729, 0.3273, 0.3364

Deuteranomaly

20.0357, 0.3379, 0.3344

Tritanomaly

20.1479, 0.3269, 0.3202

Monochromacy



Original Color

20.1100, 0.3351, 0.3363

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4876, 0.3211, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1100, 0.3351, 0.3363 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(135, 121, 117)` looks like.

```
.text, #text, p{  
    color:rgb(135, 121, 117)  
}
```

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(135, 121, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 121, 117) }
```

Border

The CSS property to change the border of an element to Yxy 20.1100, 0.3351, 0.3363 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(135, 121, 117) }
```

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

```
.border{ border-color:rgb(135, 121, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 121, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 121, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 121, 117);  
box-shadow:4px 4px 4px 4px rgb(135, 121,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1100, 0.3351, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 121, 117) }
```

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

```
.background{ background-color: rgb(135,  
121, 117) }
```

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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