

Converting Colors

$Y_{xy}(20.1716, 0.3141, 0.2986)$

Have a look what the booklet for
Yxy(20.1716, 0.3141, 0.2986)
contains.

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Color

Yxy(20.2055, 0.3141, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	887788
RGB	136, 119, 136
RGB Percent	53%, 47%, 53%
CMY	0.4667, 0.5333, 0.4667
CMYK	0.00, 0.12, 0.00, 0.47
HSL	300°, 7%, 50%
HSV	300°, 12%, 53%
XYZ	21.1905, 20.2055, 26.0681
YIQ	126.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

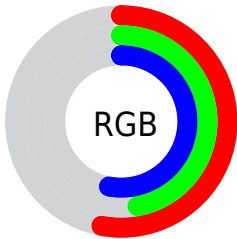
Format	Color
RYB	136, 119, 136
Decimal	8943496
CIELab	52.07, 9.78, -6.83
CIELCh	52, 11.930, 325.085
Yxy	20.2055, 0.3141, 0.2995
Android (android.graphics.Color)	4287133576 (0xFF887788)
YUV	126.0210, 4.9196, 8.7516
Hunter-Lab	44.9505, 5.4846, -2.9186

Details

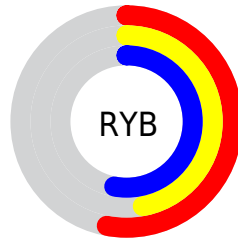
The Yxy color $20.2055, 0.3141, 0.2995$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $22.8579, 0.3112, 0.3604$, and the grayscale version is $20.8528, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6188, 0.3138, 0.3060$, and $7.1568, 0.3146, 0.2897$ is the 20% darker color. If you saturate the color by 10%, you get $17.1975, 0.3152, 0.2754$, and if you desaturate by 10%, it is $23.6784, 0.3130, 0.3232$.

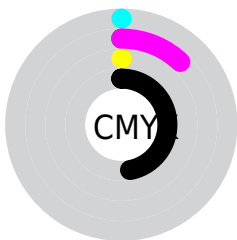
Distribution



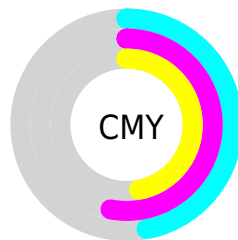
- Red (53%)
- Green (47%)
- Blue (53%)



- Red (53%)
- Yellow (47%)
- Blue (53%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (47%)





- Cyan (47%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2055, 0.3141, 0.2995 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 20.2055, 0.3141, 0.2995 by changing the saturation by 10% instead.


 20.2055, 0.3141,
0.2995

 20.2055, 0.3141,
0.2995


253.0254, 0.3135,
0.3160


 12.5445, 0.3142,
0.2947


 43.7615, 0.3139,
0.3060

 7.1157, 0.3144,
0.2880


 60.4252, 0.3138,
0.3082

 3.5345, 0.3145,
0.2781

 80.8587, 0.3137,
0.3101

 1.4168, 0.3143,
0.2619

105.4462, 0.3137,
0.3117

 0.2290, 0.3232,
0.1622

134.5723, 0.3136,
0.3130

 0.0000, 0.0000,
0.0000

168.6213, 0.3135,

0.3141

207.9775, 0.3135,
0.3151

■ 20.2055, 0.3141,
0.2995

■ 20.2055, 0.3141,
0.2995

■ 17.1975, 0.3152,
0.2754

■ 23.6784, 0.3130,
0.3232

■ 14.6322, 0.3164,
0.2515

■ 27.6319, 0.3119,
0.3461

■ 12.4896, 0.3174,
0.2287

■ 32.0844, 0.3109,
0.3677

■ 10.7468, 0.3184,
0.2079

■ 37.0524, 0.3100,
0.3878

■ 9.3793, 0.3192,
0.1898

■ 42.5517, 0.3091,
0.4064

■ 8.3593, 0.3199,
0.1752

■ 48.5973, 0.3083,
0.4234

■ 7.6557, 0.3204,
0.1645

■ 55.2037, 0.3076,
0.4388

■ 7.2316, 0.3208,
0.1578

■ 62.3850, 0.3069,
0.4528

■ 7.0096, 0.3209,
0.1542

■ 70.1546, 0.3063,
0.4655

Harmonies

Analogous

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



20.2055, 0.2927, 0.2925



20.2055, 0.3141, 0.2995



20.2055, 0.3358, 0.3137

Triad

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



20.2055, 0.3141, 0.2995



20.2055, 0.3491, 0.3635



20.2055, 0.2753, 0.3241

Complementary

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



20.2055, 0.3141, 0.2995



22.8579, 0.3112, 0.3604

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.



20.2055, 0.2895, 0.3448



20.2055, 0.3141, 0.2995



20.2055, 0.3320, 0.3680

Square

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



20.2055, 0.3141, 0.2995



20.2055, 0.3565, 0.3500



20.2055, 0.3101, 0.3613



20.2055, 0.2708, 0.3058

Rectangle

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



20.2055, 0.3141, 0.2995



20.2055, 0.3473, 0.3256



20.2055, 0.3101, 0.3613



20.2055, 0.2791, 0.3311

Sweetspot

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



20.2064, 0.3141, 0.2995



40.7001, 0.3132, 0.3195



18.9641, 0.2937, 0.2981



9.3253, 0.3132, 0.3179



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.



20.2064, 0.3141, 0.2995



34.0286, 0.3144, 0.2926



19.9821, 0.3237, 0.3136



5.1290, 0.3137, 0.3074



6.6365, 0.3209, 0.1542



0.0441, 0.3209, 0.1542

Inverse Universe

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



19.7616, 0.3344, 0.3291



33.0838, 0.3402, 0.3291



23.0635, 0.3030, 0.3450



5.0486, 0.3280, 0.3290



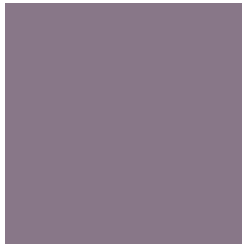
4.9540, 0.6401, 0.3300



0.0329, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 20.2055, 0.3141, 0.2995 looks on a white background.

Color Contrast Check

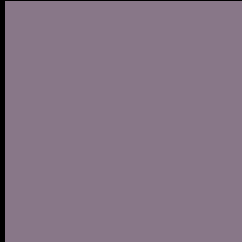
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2055, 0.3141, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

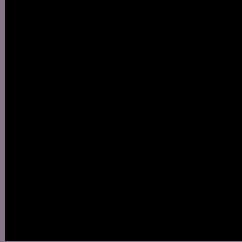
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2055, 0.3141, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 20.2055, 0.3141, 0.2995.



This preview shows how white text looks on a background with the Yxy color 20.2055, 0.3141, 0.2995.

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

20.2055, 0.3141, 0.2995

Protanopia

20.1676, 0.2941, 0.3001

Deuteranopia

20.2776, 0.3079, 0.3025



Tritanopia

20.1955, 0.3197, 0.3114

Trichromacy



Original Color

20.2055, 0.3141, 0.2995

Protanomaly

20.2661, 0.3009, 0.3005

Deuteranomaly

20.1971, 0.3104, 0.3009

Tritanomaly

20.2498, 0.3174, 0.3079

Monochromacy



Original Color

20.2055, 0.3141, 0.2995

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5234, 0.3133, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2055, 0.3141, 0.2995 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(136, 119, 136)` looks like.

```
.text, #text, p{  
    color:rgb(136, 119, 136)  
}
```

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(136, 119, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 119, 136) }
```

Border

The CSS property to change the border of an element to Yxy 20.2055, 0.3141, 0.2995 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(136, 119, 136) }
```

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

```
.border{ border-color:rgb(136, 119, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 119, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 119, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 119, 136);  
box-shadow:4px 4px 4px 4px rgb(136, 119,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2055, 0.3141, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 119, 136) }
```

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

```
.background{ background-color: rgb(136,  
119, 136) }
```

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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