

Converting Colors

$Y_{xy}(20.3003, 0.3462, 0.2728)$

Have a look what the booklet for
Yxy(20.3003, 0.3462, 0.2728)
contains.

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Color

Yxy(20.3982, 0.3454, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	A66A8F
RGB	166, 106, 143
RGB Percent	65%, 42%, 56%
CMY	0.3491, 0.5843, 0.4392
CMYK	0.00, 0.36, 0.14, 0.35
HSL	323°, 25%, 53%
HSV	323°, 36%, 65%
XYZ	25.8362, 20.3982, 28.5665
YIQ	128.1580, 23.8830, 24.2270

Conversions

Conversions Part 2

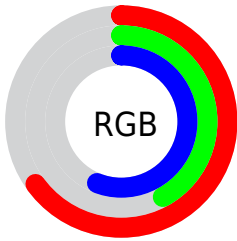
Format	Color
R_{YB}	166, 106, 143
Decimal	10906255
CIE _{Lab}	52.28, 29.56, -10.30
CIE _{LCh}	52, 31.306, 340.785
Yxy	20.3982, 0.3454, 0.2727
Android (android.graphics.Color)	4289096335 (0xFFA66A8F)
YUV	128.1580, 7.3171, 33.1874
Hunter-Lab	45.1644, 23.0731, -5.8859

Details

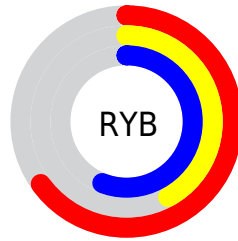
The Yxy color $20.3982, 0.3454, 0.2727$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.9167, 0.2901, 0.3934$, and the grayscale version is $21.6127, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0145, 0.3383, 0.2840$, and $7.2273, 0.3573, 0.2519$ is the 20% darker color. If you saturate the color by 10%, you get $17.1151, 0.3581, 0.2573$, and if you desaturate by 10%, it is $24.3563, 0.3344, 0.2887$.

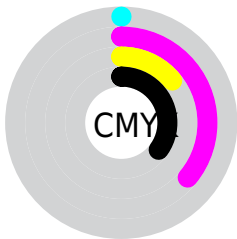
Distribution



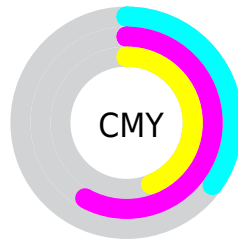
- Red (65%)
- Green (42%)
- Blue (56%)



- Red (65%)
- Yellow (42%)
- Blue (56%)



- Cyan (0%)
- Magenta (36%)
- Yellow (14%)
- Black (35%)




- Cyan (35%)
- Magenta (58%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3982, 0.3454, 0.2727 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 20.3982, 0.3454, 0.2727 by changing the saturation by 10% instead.


 20.3982, 0.3454,
0.2727


 20.3982, 0.3454,
0.2727

254.0627, 0.3275,
0.3034


 12.6848, 0.3505,
0.2641


 44.0838, 0.3385,
0.2845

 7.2119, 0.3574,
0.2525


 60.8248, 0.3360,
0.2887

 3.5950, 0.3675,
0.2358

 81.3438, 0.3339,
0.2922

 1.4497, 0.3832,
0.2102

 106.0252, 0.3322,
0.2952

 0.2529, 0.4366,
0.1141

135.2534, 0.3308,
0.2977

 0.0000, 0.0000,
0.0000

169.4128, 0.3295,

0.2998

208.8878, 0.3284,
0.3017

■ 20.3982, 0.3454,
0.2727

■ 20.3982, 0.3454,
0.2727

■ 17.1151, 0.3581,
0.2573

■ 24.3563, 0.3344,
0.2887

■ 14.4656, 0.3724,
0.2433

■ 29.0219, 0.3249,
0.3046

■ 12.4083, 0.3882,
0.2318


■ 34.4290, 0.3170,
0.3199

■ 10.8953, 0.4050,
0.2238


■ 40.6085, 0.3103,
0.3345

■ 9.8715, 0.4222,
0.2204


■ 47.5894, 0.3047,
0.3482

 9.2619, 0.4392,
0.2219

 55.3994, 0.3000,
0.3609

 9.0728, 0.4459,
0.2230

 64.0646, 0.2961,
0.3725

 73.6103, 0.2929,
0.3832

 83.8067, 0.2902,
0.3926

Harmonies

Analogous

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



20.3982, 0.2870, 0.2469



20.3982, 0.3454, 0.2727



20.3982, 0.3983, 0.3111

Triad

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



20.3982, 0.3454, 0.2727



20.3982, 0.3834, 0.4285



20.3982, 0.2111, 0.2858

Complementary

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



20.3982, 0.3454, 0.2727



31.9167, 0.2901, 0.3934

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.



20.3982, 0.2320, 0.3399



20.3982, 0.3454, 0.2727



20.3982, 0.3300, 0.4309

Square

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



20.3982, 0.3454, 0.2727



20.3982, 0.4197, 0.3982



20.3982, 0.2746, 0.3970



20.3982, 0.2143, 0.2509

Rectangle

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



20.3982, 0.3454, 0.2727



20.3982, 0.4206, 0.3404



20.3982, 0.2746, 0.3970



20.3982, 0.2154, 0.3021

Sweetspot

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



20.3991, 0.3454, 0.2727



57.3477, 0.3208, 0.3122



17.6521, 0.2721, 0.2294



12.5518, 0.3219, 0.3102



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3991, 0.3454, 0.2727



32.3537, 0.3550, 0.2608



19.6307, 0.3858, 0.3166



7.6172, 0.3193, 0.3152



7.0461, 0.4445, 0.2222



0.1810, 0.3942, 0.1945

Inverse Universe

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



20.3991, 0.3454, 0.2727



32.3537, 0.3550, 0.2608



32.8004, 0.2686, 0.3421



7.6172, 0.3193, 0.3152



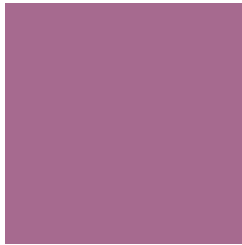
7.0461, 0.4445, 0.2222



0.1810, 0.3942, 0.1945

Previews

White Background



This preview shows how the Yxy color 20.3982, 0.3454, 0.2727 looks on a white background.

Color Contrast Check

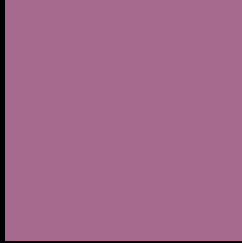
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3982, 0.3454, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

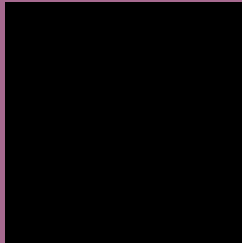
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3982, 0.3454, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 20.3982, 0.3454, 0.2727.



This preview shows how white text looks on a background with the Yxy color 20.3982, 0.3454, 0.2727.

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

20.3982, 0.3454, 0.2727

Protanopia

20.6334, 0.2741, 0.2746

Deuteranopia

20.5583, 0.3023, 0.2974



Tritanopia

20.4873, 0.3725, 0.3164

Trichromacy



Original Color

20.3982, 0.3454, 0.2727

Protanomaly

20.1078, 0.2963, 0.2715

Deuteranomaly

20.2535, 0.3172, 0.2870

Tritanomaly

20.3883, 0.3622, 0.2993

Monochromacy



Original Color

20.3982, 0.3454, 0.2727

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8772, 0.3249, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3982, 0.3454, 0.2727 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(166, 106, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 106, 143)  
}
```

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(166, 106, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 106, 143) }
```

Border

The CSS property to change the border of an element to Yxy 20.3982, 0.3454, 0.2727 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(166, 106, 143) }
```

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

```
.border{ border-color:rgb(166, 106, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 106, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 106, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 106, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 106,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3982, 0.3454, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 106, 143) }
```

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

```
.background{ background-color: rgb(166,  
106, 143) }
```

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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