

Converting Colors

$Y_{xy}(20.8221, 0.3452, 0.2822)$

Have a look what the booklet for
Yxy(20.8221, 0.3452, 0.2822)
contains.

Yxy(20.8318, 0.3446, 0.2825)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.8318, 0.3446, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	A36E8C
RGB	163, 110, 140
RGB Percent	64%, 43%, 55%
CMY	0.3609, 0.5686, 0.4509
CMYK	0.00, 0.32, 0.14, 0.36
HSL	326°, 22%, 54%
HSV	326°, 32%, 64%
XYZ	25.4111, 20.8318, 27.4980
YIQ	129.2670, 21.9580, 20.5660

Conversions

Conversions Part 2

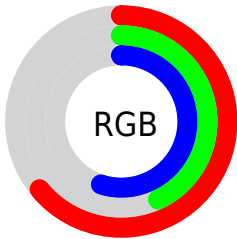
Format	Color
R_{YB}	163, 110, 140
Decimal	10710668
CIE _{Lab}	52.76, 25.71, -7.86
CIE _{LCh}	53, 26.880, 343.001
Yxy	20.8318, 0.3446, 0.2825
Android (android.graphics.Color)	4288900748 (0xFFA36E8C)
YUV	129.2670, 5.2914, 29.5838
Hunter-Lab	45.6419, 19.5066, -3.7713

Details

The Yxy color $20.8318, 0.3446, 0.2825$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.1950, 0.2901, 0.3809$, and the grayscale version is $22.0274, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7958, 0.3377, 0.2916$, and $7.3907, 0.3563, 0.2648$ is the 20% darker color. If you saturate the color by 10%, you get $17.4311, 0.3583, 0.2680$, and if you desaturate by 10%, it is $24.8946, 0.3329, 0.2973$.

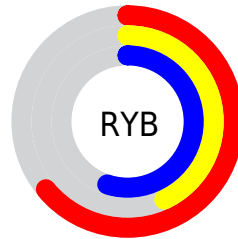
Distribution



Red (64%)

Green (43%)

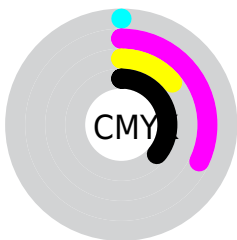
Blue (55%)



Red (64%)

Yellow (43%)

Blue (55%)

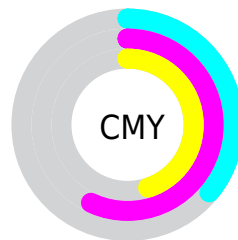


Cyan (0%)

Magenta (32%)

Yellow (14%)

Black (36%)



Cyan (36%)


Magenta (57%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8318, 0.3446, 0.2825 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 20.8318, 0.3446, 0.2825 by changing the saturation by 10% instead.


 20.8318, 0.3446,
0.2825

 20.8318, 0.3446,
0.2825


256.3833, 0.3270,
0.3080

 13.0011, 0.3497,
0.2753


 44.8074, 0.3377,
0.2924

 7.4293, 0.3567,
0.2655


 61.7212, 0.3353,
0.2959

 3.7320, 0.3669,
0.2513

 82.4314, 0.3333,
0.2988

 1.5248, 0.3832,
0.2291

 107.3224, 0.3316,
0.3012

 0.3061, 0.4365,
0.1451

136.7788, 0.3302,
0.3033

 0.0000, 0.0000,
0.0000

171.1847, 0.3290,

0.3051

210.9248, 0.3279,
0.3066

■ 20.8318, 0.3446,
0.2825

■ 20.8318, 0.3446,
0.2825

■ 17.4311, 0.3583,
0.2680

■ 24.8946, 0.3329,
0.2973

■ 14.6539, 0.3741,
0.2545

■ 29.6498, 0.3229,
0.3118

■ 12.4620, 0.3917,
0.2429


■ 35.1290, 0.3146,
0.3257


■ 10.8117, 0.4109,
0.2345


■ 41.3612, 0.3076,
0.3387

■ 9.6532, 0.4310,
0.2304

■ 48.3738, 0.3018,
0.3509

 8.9273, 0.4511,
0.2312

 56.1927, 0.2970,
0.3621

 8.5624, 0.4662,
0.2342

 64.8427, 0.2930,
0.3724

 74.3476, 0.2897,
0.3819

 83.6450, 0.2869,
0.3888

Harmonies

Analogous

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



20.8318, 0.2946, 0.2589



20.8318, 0.3446, 0.2825



20.8318, 0.3883, 0.3169

Triad

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



20.8318, 0.3446, 0.2825



20.8318, 0.3710, 0.4152



20.8318, 0.2243, 0.2899

Complementary

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



20.8318, 0.3446, 0.2825



31.1950, 0.2901, 0.3809

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.



20.8318, 0.2413, 0.3351



20.8318, 0.3446, 0.2825



20.8318, 0.3247, 0.4138

Square

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



20.8318, 0.3446, 0.2825



20.8318, 0.4030, 0.3920



20.8318, 0.2774, 0.3831



20.8318, 0.2284, 0.2605

Rectangle

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



20.8318, 0.3446, 0.2825



20.8318, 0.4059, 0.3428



20.8318, 0.2774, 0.3831



20.8318, 0.2276, 0.3036

Sweetspot

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



20.8328, 0.3446, 0.2825



55.2692, 0.3208, 0.3151



18.7819, 0.2811, 0.2416



12.1316, 0.3220, 0.3132



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.8328, 0.3446, 0.2825



32.8028, 0.3543, 0.2719



20.1434, 0.3805, 0.3236



7.1500, 0.3201, 0.3163



6.6659, 0.4645, 0.2333



0.1493, 0.4003, 0.1979

Inverse Universe

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



20.8328, 0.3446, 0.2825



32.8028, 0.3543, 0.2719



32.0210, 0.2699, 0.3347



7.1500, 0.3201, 0.3163



6.6659, 0.4645, 0.2333



0.1493, 0.4003, 0.1979

Previews

White Background



This preview shows how the Yxy color 20.8318, 0.3446, 0.2825 looks on a white background.

Color Contrast Check

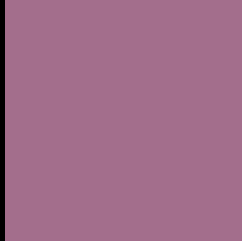
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8318, 0.3446, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

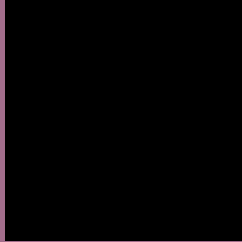
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8318, 0.3446, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 20.8318, 0.3446, 0.2825.



This preview shows how white text looks on a background with the Yxy color 20.8318, 0.3446, 0.2825.

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

20.8318, 0.3446, 0.2825

Protanopia

20.9342, 0.2821, 0.2850

Deuteranopia

20.9874, 0.3080, 0.3028



Tritanopia

20.7925, 0.3650, 0.3147

Trichromacy



Original Color

20.8318, 0.3446, 0.2825

Protanomaly

20.7425, 0.3028, 0.2848

Deuteranomaly

20.7502, 0.3206, 0.2938

Tritanomaly

20.8547, 0.3573, 0.3022

Monochromacy



Original Color

20.8318, 0.3446, 0.2825

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2752, 0.3234, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8318, 0.3446, 0.2825 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(163, 110, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 110, 140)  
}
```

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(163, 110, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 110, 140) }
```

Border

The CSS property to change the border of an element to Yxy 20.8318, 0.3446, 0.2825 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(163, 110, 140) }
```

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

```
.border{ border-color:rgb(163, 110, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 110, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 110, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 110, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 110,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8318, 0.3446, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 110, 140) }
```

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

```
.background{ background-color: rgb(163,  
110, 140) }
```

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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