

Converting Colors

$Y_{xy}(20.4583, 0.3166, 0.2464)$

Have a look what the booklet for
Yxy(20.4583, 0.3166, 0.2464)
contains.

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Color

Yxy(20.4583, 0.3166, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	A16AA1
RGB	161, 106, 161
RGB Percent	63%, 42%, 63%
CMY	0.3686, 0.5843, 0.3686
CMYK	0.00, 0.34, 0.00, 0.37
HSL	300°, 23%, 52%
HSV	300°, 34%, 63%
XYZ	26.2869, 20.4583, 36.2836
YIQ	128.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

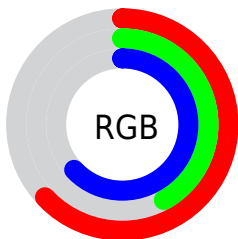
Format	Color
RYB	161, 106, 161
Decimal	10578593
CIELab	52.35, 31.15, -20.81
CIELCh	52, 37.459, 326.250
Yxy	20.4583, 0.3166, 0.2464
Android (android.graphics.Color)	4288768673 (0xFFA16AA1)
YUV	128.7150, 15.9165, 28.3139
Hunter-Lab	45.2309, 24.5853, -15.9001

Details

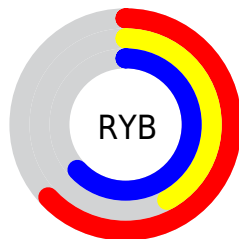
The Yxy color $20.4583, 0.3166, 0.2464$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.5986, 0.3081, 0.4282$, and the grayscale version is $21.7881, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1633, 0.3167, 0.2627$, and $7.2185, 0.3160, 0.2191$ is the 20% darker color. If you saturate the color by 10%, you get $17.4464, 0.3177, 0.2236$, and if you desaturate by 10%, it is $24.0950, 0.3155, 0.2705$.

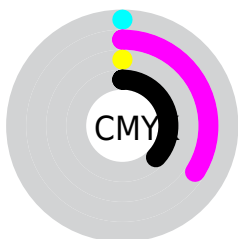
Distribution



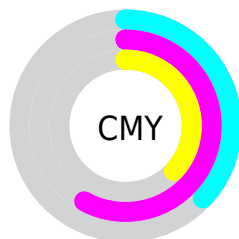
- Red (63%)
- Green (42%)
- Blue (63%)



- Red (63%)
- Yellow (42%)
- Blue (63%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)




- Cyan (37%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4583, 0.3166, 0.2464 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 20.4583, 0.3166, 0.2464 by changing the saturation by 10% instead.


 20.4583, 0.3166,
0.2464


 20.4583, 0.3166,
0.2464


254.3855, 0.3155,
0.2904


 12.7286, 0.3165,
0.2346


 44.1842, 0.3165,
0.2630


 7.2419, 0.3160,
0.2189


 60.9493, 0.3163,
0.2691

 3.6139, 0.3147,
0.1972

 81.4949, 0.3162,
0.2741

 1.4600, 0.3113,
0.1657

 106.2055, 0.3160,
0.2784

 0.2603, 0.3142,
0.0803

135.4654, 0.3159,
0.2820

 0.0000, 0.0000,
0.0000

169.6592, 0.3158,

0.2852

209.1710, 0.3156,
0.2879

■ 20.4583, 0.3166,
0.2464

■ 20.4583, 0.3166,
0.2464

■ 17.4464, 0.3177,
0.2236

■ 24.0950, 0.3155,
0.2705

■ 15.0218, 0.3186,
0.2031

■ 28.3861, 0.3143,
0.2949

■ 13.1468, 0.3195,
0.1856


■ 33.3626, 0.3132,
0.3191

■ 11.7786, 0.3201,
0.1718


■ 39.0524, 0.3121,
0.3425

■ 10.8678, 0.3206,
0.1621


■ 45.4823, 0.3110,
0.3646

 10.3551, 0.3208,
0.1565

 52.6774, 0.3101,
0.3853

 10.1512, 0.3210,
0.1542

 60.6618, 0.3092,
0.4043

 69.4584, 0.3084,
0.4217

 79.0893, 0.3076,
0.4375

Harmonies

Analogous

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



20.4583, 0.2528, 0.2257



20.4583, 0.3166, 0.2464



20.4583, 0.3866, 0.2842

Triad

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



20.4583, 0.3166, 0.2464



20.4583, 0.4198, 0.4308



20.4583, 0.2017, 0.3052

Complementary

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



20.4583, 0.3166, 0.2464



29.5986, 0.3081, 0.4282

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.



20.4583, 0.2383, 0.3766



20.4583, 0.3166, 0.2464



20.4583, 0.3637, 0.4552

Square

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



20.4583, 0.3166, 0.2464



20.4583, 0.4486, 0.3846



20.4583, 0.2972, 0.4371



20.4583, 0.1925, 0.2523

Rectangle

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



20.4583, 0.3166, 0.2464



20.4583, 0.4241, 0.3158



20.4583, 0.2972, 0.4371



20.4583, 0.2109, 0.3280

Sweetspot

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



20.4592, 0.3166, 0.2464



54.2258, 0.3139, 0.3046



15.9451, 0.2528, 0.2299



11.6417, 0.3140, 0.3014



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.4592, 0.3166, 0.2464



32.4354, 0.3174, 0.2289



19.5933, 0.3516, 0.2856



7.2022, 0.3138, 0.3068



8.1062, 0.3210, 0.1542



0.1703, 0.3209, 0.1542

Inverse Universe

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



20.4592, 0.3166, 0.2464



32.4354, 0.3174, 0.2289



30.2654, 0.2862, 0.3772



7.2022, 0.3138, 0.3068



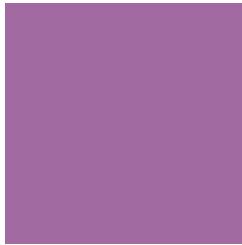
8.1062, 0.3210, 0.1542



0.1703, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.4583, 0.3166, 0.2464 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 20.4583, 0.3166, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

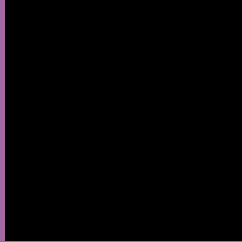
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4583, 0.3166, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 20.4583, 0.3166, 0.2464.



This preview shows how white text looks on a background with the Yxy color 20.4583, 0.3166, 0.2464.

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

20.4583, 0.3166, 0.2464

Protanopia

20.7863, 0.2503, 0.2445

Deuteranopia

20.6276, 0.2733, 0.2684



Tritanopia

20.5077, 0.3581, 0.3160

Trichromacy



Original Color

20.4583, 0.3166, 0.2464

Protanomaly

20.2543, 0.2717, 0.2438

Deuteranomaly

20.3767, 0.2879, 0.2595

Tritanomaly

20.4156, 0.3432, 0.2892

Monochromacy



Original Color

20.4583, 0.3166, 0.2464

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2606, 0.3143, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4583, 0.3166, 0.2464 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(161, 106, 161)` looks like.

```
.text, #text, p{  
    color:rgb(161, 106, 161)  
}
```

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(161, 106, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 106, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.4583, 0.3166, 0.2464 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(161, 106, 161) }
```

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

```
.border{ border-color:rgb(161, 106, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 106, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 106, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 106, 161);  
box-shadow:4px 4px 4px 4px rgb(161, 106,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4583, 0.3166, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 106, 161) }
```

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

```
.background{ background-color: rgb(161,  
106, 161) }
```

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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