

Converting Colors

$Y_{xy}(23.2505, 0.3174, 0.2660)$

Have a look what the booklet for
Yxy(23.2505, 0.3174, 0.2660)
contains.

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Color

Yxy(23.1763, 0.3180, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	A276A0
RGB	162, 118, 160
RGB Percent	64%, 46%, 63%
CMY	0.3649, 0.5372, 0.3726
CMYK	0.00, 0.27, 0.01, 0.36
HSL	303°, 19%, 55%
HSV	303°, 27%, 64%
XYZ	27.7174, 23.1763, 36.2680
YIQ	135.9440, 12.7420, 22.3900

Conversions

Conversions Part 2

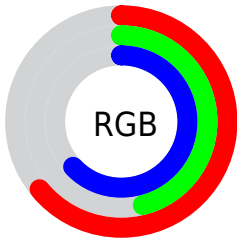
Format	Color
R_{YB}	162, 118, 160
Decimal	10647200
CIE Lab	55.25, 24.44, -15.79
CIE LCh	55, 29.098, 327.141
Yxy	23.1763, 0.3180, 0.2659
Android (android.graphics.Color)	4288837280 (0xFFA276A0)
YUV	135.9440, 11.8596, 22.8511
Hunter-Lab	48.1418, 18.5225, -10.9674

Details

The Yxy color $23.1763, 0.3180, 0.2659$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $31.0357, 0.3075, 0.4014$, and the grayscale version is $24.5497, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7838, 0.3168, 0.2787$, and $8.6540, 0.3202, 0.2460$ is the 20% darker color. If you saturate the color by 10%, you get $19.6585, 0.3202, 0.2429$, and if you desaturate by 10%, it is $27.3512, 0.3159, 0.2894$.

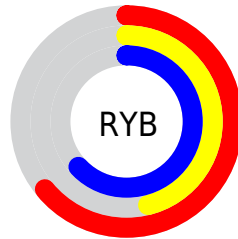
Distribution



Red (64%)

Green (46%)

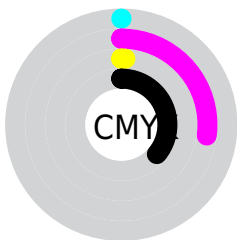
Blue (63%)



Red (64%)

Yellow (46%)

Blue (63%)

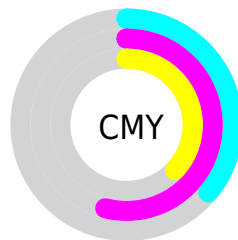


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (36%)



Cyan (36%)

Magenta (54%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1763, 0.3180, 0.2659 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 23.1763, 0.3180, 0.2659 by changing the saturation by 10% instead.


 23.1763, 0.3180,
0.2659


 23.1763, 0.3180,
0.2659


268.6292, 0.3157,
0.2995


 14.7237, 0.3184,
0.2568


 48.6826, 0.3173,
0.2786

 8.6257, 0.3188,
0.2448


 66.5052, 0.3170,
0.2832

 4.4979, 0.3190,
0.2280


 88.2199, 0.3167,
0.2870

 1.9558, 0.3185,
0.2032

114.2112, 0.3165,
0.2903

 0.5816, 0.3185,
0.1558

144.8633, 0.3163,
0.2931

 0.0000, 0.1546,
0.0000

180.5608, 0.3161,

 0.0000, 0.0000,

0.2955

0.0000

221.6879, 0.3159,
0.2976

■ 23.1763, 0.3180,
0.2659

■ 23.1763, 0.3180,
0.2659

■ 19.6585, 0.3202,
0.2429

■ 27.3512, 0.3159,
0.2894

■ 16.7615, 0.3224,
0.2214

■ 32.2114, 0.3140,
0.3128

■ 14.4496, 0.3246,
0.2021

■ 37.7869, 0.3122,
0.3354

■ 12.6829, 0.3267,
0.1860

■ 44.1050, 0.3106,
0.3569

■ 11.4160, 0.3286,
0.1738

■ 51.1919, 0.3092,
0.3770

■ 10.5964, 0.3304,
0.1657

■ 59.0721, 0.3079,
0.3956

■ 10.1423, 0.3319,
0.1614

■ 67.7694, 0.3068,
0.4127

■ 10.0343, 0.3323,
0.1604

■ 77.3062, 0.3058,
0.4283

■ 81.9693, 0.3052,
0.4345

Harmonies

Analogous

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



23.1763, 0.2690, 0.2493



23.1763, 0.3180, 0.2659



23.1763, 0.3694, 0.2963

Triad

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



23.1763, 0.3180, 0.2659



23.1763, 0.3937, 0.4084



23.1763, 0.2273, 0.3114

Complementary

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



23.1763, 0.3180, 0.2659



31.0357, 0.3075, 0.4014

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.



23.1763, 0.2559, 0.3628



23.1763, 0.3180, 0.2659



23.1763, 0.3516, 0.4223

Square

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



23.1763, 0.3180, 0.2659



23.1763, 0.4146, 0.3753



23.1763, 0.3010, 0.4062



23.1763, 0.2200, 0.2712

Rectangle

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



23.1763, 0.3180, 0.2659



23.1763, 0.3965, 0.3216



23.1763, 0.3010, 0.4062



23.1763, 0.2346, 0.3281

Sweetspot

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



23.1773, 0.3180, 0.2659



57.5468, 0.3142, 0.3104



19.5259, 0.2683, 0.2534



12.6227, 0.3145, 0.3070



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.



23.1773, 0.3180, 0.2659



37.8133, 0.3194, 0.2509



22.4897, 0.3434, 0.2971



7.1967, 0.3144, 0.3078



7.9113, 0.3322, 0.1604



0.1678, 0.3278, 0.1579

Inverse Universe

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



23.1773, 0.3180, 0.2659



37.8133, 0.3194, 0.2509



31.6166, 0.2900, 0.3634



7.1967, 0.3144, 0.3078



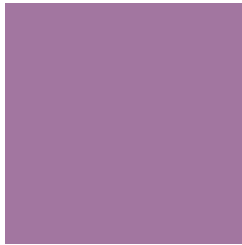
7.9113, 0.3322, 0.1604



0.1678, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 23.1763, 0.3180, 0.2659 looks on a white background.

Color Contrast Check

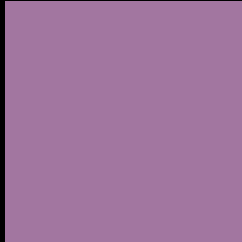
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1763, 0.3180, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

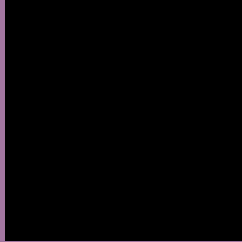
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1763, 0.3180, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 23.1763, 0.3180, 0.2659.



This preview shows how white text looks on a background with the Yxy color 23.1763, 0.3180, 0.2659.

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

23.1763, 0.3180, 0.2659

Protanopia

23.3081, 0.2678, 0.2662

Deuteranopia

23.4204, 0.2876, 0.2827



Tritanopia

23.1285, 0.3441, 0.3131

Trichromacy



Original Color

23.1763, 0.3180, 0.2659

Protanomaly

22.9932, 0.2839, 0.2647

Deuteranomaly

23.3542, 0.2983, 0.2762

Tritanomaly

23.0288, 0.3338, 0.2946

Monochromacy



Original Color

23.1763, 0.3180, 0.2659

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.7646, 0.3139, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1763, 0.3180, 0.2659 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(162, 118, 160)` looks like.

```
.text, #text, p{  
    color:rgb(162, 118, 160)  
}
```

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(162, 118, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 118, 160) }
```

Border

The CSS property to change the border of an element to Yxy 23.1763, 0.3180, 0.2659 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(162, 118, 160) }
```

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

```
.border{ border-color:rgb(162, 118, 160) }
```

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

Here you see how a box with a 4 pixel rgb(162, 118, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 118, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 118, 160);  
box-shadow:4px 4px 4px 4px rgb(162, 118,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1763, 0.3180, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 118, 160) }
```

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

```
.background{ background-color: rgb(162,  
118, 160) }
```

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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