

Converting Colors

$Y_{xy}(17.6559, 0.2355, 0.2706)$

Have a look what the booklet for
Yxy(17.6559, 0.2355, 0.2706)
contains.

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Color

Yxy(17.6025, 0.2356, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	497A98
RGB	73, 122, 152
RGB Percent	29%, 48%, 60%
CMY	0.7135, 0.5216, 0.4040
CMYK	0.52, 0.20, 0.00, 0.40
HSL	203°, 35%, 44%
HSV	203°, 52%, 60%
XYZ	15.3769, 17.6025, 32.2876
YIQ	110.7690, -38.8340, -1.0580

Conversions

Conversions Part 2

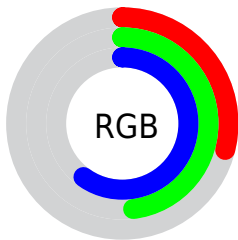
Format	Color
R_{YB}	73, 103, 152
Decimal	4815512
CIE _{Lab}	49.01, -7.77, -21.28
CIE _{LCh}	49, 22.657, 249.940
Yxy	17.6025, 0.2356, 0.2697
Android (android.graphics.Color)	4283005592 (0xFF497A98)
YUV	110.7690, 20.3269, -33.1234
Hunter-Lab	41.9553, -8.0004, -16.2591

Details

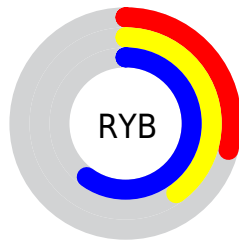
The Yxy color **17.6025, 0.2356, 0.2697** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.8668, 0.4277, 0.3795**, and the grayscale version is **15.7783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2404, 0.2531, 0.2835**, and **5.7828, 0.2049, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **15.7034, 0.2227, 0.2558**, and if you desaturate by 10%, it is **19.7324, 0.2496, 0.2830**.

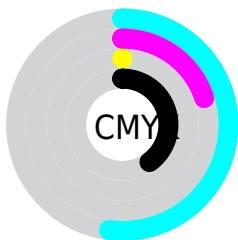
Distribution



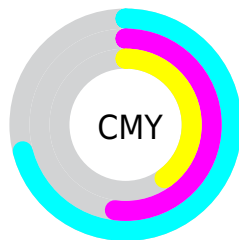
- Red (29%)
- Green (48%)
- Blue (60%)



- Red (29%)
- Yellow (40%)
- Blue (60%)



- Cyan (52%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)



- Cyan (71%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6025, 0.2356, 0.2697 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 17.6025, 0.2356, 0.2697 by changing the saturation by 10% instead.

■ 17.6025, 0.2356,
0.2697

■ 17.6025, 0.2356,
0.2697

■ 238.6209, 0.2791,
0.3041

■ 10.6650, 0.2229,
0.2592

■ 39.3588, 0.2527,
0.2836

■ 5.8420, 0.2054,
0.2443

■ 54.9464, 0.2588,
0.2883

■ 2.7493, 0.1800,
0.2220

■ 74.1862, 0.2637,
0.2922

■ 1.0023, 0.1405,
0.1857

■ 97.4624, 0.2678,
0.2954

■ 0.0000, 0.0000,
0.0000

■ 125.1597, 0.2713,
0.2981

157.6622, 0.2743,

0.3004

195.3545, 0.2769,
0.3024

■ 17.6025, 0.2356,
0.2697

■ 17.6025, 0.2356,
0.2697

■ 15.7034, 0.2227,
0.2558

■ 19.7324, 0.2496,
0.2830

■ 14.0208, 0.2114,
0.2415

■ 22.1021, 0.2644,
0.2955

■ 12.5417, 0.2019,
0.2271

■ 24.7226, 0.2795,
0.3071

■ 11.2501, 0.1944,
0.2129

■ 27.6033, 0.2948,
0.3177

■ 10.3135, 0.1893,
0.2015

■ 30.7533, 0.3098,
0.3273

■ 34.1808, 0.3245,
0.3359

■ 37.8941, 0.3387,
0.3436

■ 41.9007, 0.3522,
0.3504

■ 46.2081, 0.3650,
0.3564

Harmonies

Analogous

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



17.6025, 0.2338, 0.2981



17.6025, 0.2356, 0.2697



17.6025, 0.2562, 0.2585

Triad

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



17.6025, 0.2356, 0.2697



17.6025, 0.3767, 0.3150



17.6025, 0.3283, 0.4054

Complementary

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



17.6025, 0.2356, 0.2697



16.8668, 0.4277, 0.3795

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.



17.6025, 0.3688, 0.4048



17.6025, 0.2356, 0.2697



17.6025, 0.3986, 0.3501

Square

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



17.6025, 0.2356, 0.2697



17.6025, 0.3368, 0.2845



17.6025, 0.3952, 0.3830



17.6025, 0.2854, 0.3806

Rectangle

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



17.6025, 0.2356, 0.2697



17.6025, 0.2789, 0.2606



17.6025, 0.3952, 0.3830



17.6025, 0.3427, 0.4080

Sweetspot

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



17.6032, 0.2356, 0.2697



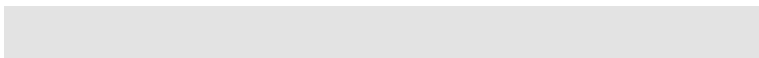
46.4461, 0.2881, 0.3131



24.8307, 0.2838, 0.4303



10.3403, 0.2852, 0.3111



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



17.6032, 0.2356, 0.2697



27.3233, 0.2212, 0.2540



9.9613, 0.2200, 0.1896



6.6319, 0.2989, 0.3203



8.7100, 0.1896, 0.2024



0.2000, 0.2065, 0.2633

Inverse Universe

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



12.8520, 0.3653, 0.2491



18.9675, 0.3821, 0.2349



26.3430, 0.3942, 0.4373



6.2838, 0.3192, 0.3153



6.2846, 0.4425, 0.2211



0.1010, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 17.6025, 0.2356, 0.2697 looks on a white 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

Black Background



This preview shows how the Yxy color 17.6025, 0.2356, 0.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

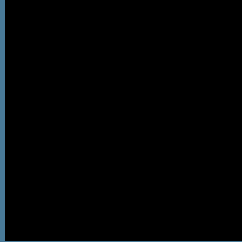
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

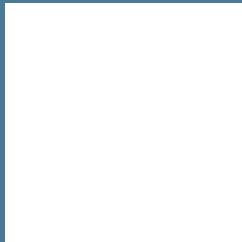
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.6025, 0.2356, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 17.6025, 0.2356, 0.2697.



This preview shows how white text looks on a background with the Yxy color 17.6025, 0.2356, 0.2697.

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

17.6025, 0.2356, 0.2697

Protanopia

17.5562, 0.2696, 0.2693

Deuteranopia

17.4935, 0.2618, 0.2557



Tritanopia

17.6098, 0.2451, 0.3078

Trichromacy



Original Color

17.6025, 0.2356, 0.2697

Protanomaly

17.5597, 0.2552, 0.2696

Deuteranomaly

17.4554, 0.2516, 0.2609

Tritanomaly

17.6036, 0.2415, 0.2938

Monochromacy



Original Color

17.6025, 0.2356, 0.2697

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3092, 0.2785, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6025, 0.2356, 0.2697 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(73, 122, 152)` looks like.

```
.text, #text, p{  
    color:rgb(73, 122, 152)  
}
```

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(73, 122, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 122, 152) }
```

Border

The CSS property to change the border of an element to Yxy 17.6025, 0.2356, 0.2697 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(73, 122, 152) }
```

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

```
.border{ border-color:rgb(73, 122, 152) }
```

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

Here you see how a box with a 4 pixel rgb(73, 122, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 122, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 122, 152);  
box-shadow:4px 4px 4px 4px rgb(73, 122,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6025, 0.2356, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 122, 152) }
```

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

```
.background{ background-color: rgb(73, 122,  
152) }
```

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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