

Converting Colors

$Y_{xy}(18.4382, 0.2331, 0.2515)$

Have a look what the booklet for
Yxy(18.4382, 0.2331, 0.2515)
contains.

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Color

Yxy(18.3487, 0.2331, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	517AA4
RGB	81, 122, 164
RGB Percent	32%, 48%, 64%
CMY	0.6823, 0.5216, 0.3569
CMYK	0.51, 0.26, 0.00, 0.36
HSL	210°, 34%, 48%
HSV	210°, 51%, 64%
XYZ	17.0538, 18.3487, 37.7582
YIQ	114.5290, -37.9180, 4.3700

Conversions

Conversions Part 2

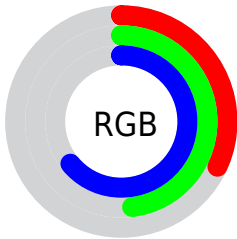
Format	Color
R _Y B	81, 108, 164
Decimal	5339812
CIE Lab	49.92, -2.11, -26.86
CIE LCh	50, 26.946, 265.503
Yxy	18.3487, 0.2331, 0.2508
Android (android.graphics.Color)	4283529892 (0xFF517AA4)
YUV	114.5290, 24.3892, -29.4049
Hunter-Lab	42.8354, -3.8969, -22.2778

Details

The Yxy color **18.3487, 0.2331, 0.2508** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.6530, 0.4157, 0.3944**, and the grayscale version is **16.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5375, 0.2506, 0.2679**, and **6.2496, 0.2030, 0.2215** is the 20% darker color. If you saturate the color by 10%, you get **15.7583, 0.2183, 0.2318**, and if you desaturate by 10%, it is **21.2894, 0.2488, 0.2689**.

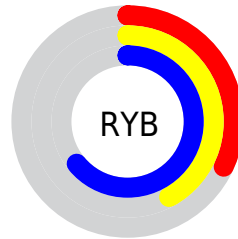
Distribution



Red (32%)

Green (48%)

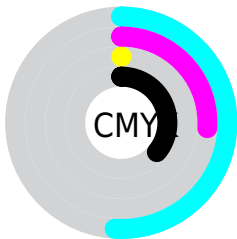
Blue (64%)



Red (32%)

Yellow (42%)

Blue (64%)

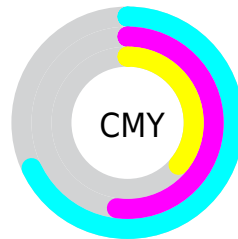


Cyan (51%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (68%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3487, 0.2331, 0.2508 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 18.3487, 0.2331, 0.2508 by changing the saturation by 10% instead.

■ 18.3487, 0.2331,
0.2508

■ 18.3487, 0.2331,
0.2508

■ 242.8292, 0.2777,
0.2949

■ 11.2006, 0.2203,
0.2380

■ 40.6306, 0.2505,
0.2681

■ 6.2019, 0.2029,
0.2204

■ 56.5332, 0.2567,
0.2743

■ 2.9683, 0.1781,
0.1953

■ 76.1228, 0.2618,
0.2793

■ 1.1152, 0.1410,
0.1571

■ 99.7838, 0.2660,
0.2834

■ 0.0000, 0.0000,
0.0000

■ 127.9005, 0.2696,
0.2870

160.8574, 0.2727,

0.2900

199.0388, 0.2754,
0.2926

■ 18.3487, 0.2331,
0.2508

■ 18.3487, 0.2331,
0.2508

■ 15.7583, 0.2183,
0.2318

■ 21.2894, 0.2488,
0.2689

■ 13.4992, 0.2049,
0.2124

■ 24.5942, 0.2649,
0.2858

■ 11.5529, 0.1933,
0.1930

■ 28.2783, 0.2809,
0.3014

■ 9.8975, 0.1840,
0.1742

■ 32.3553, 0.2967,
0.3156

■ 8.5647, 0.1770,
0.1572

■ 36.8382, 0.3118,
0.3283

■ 41.7392, 0.3263,
0.3396

■ 47.0700, 0.3399,
0.3497

■ 52.8417, 0.3526,
0.3585

■ 59.0652, 0.3645,
0.3663

Harmonies

Analogous

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



18.3487, 0.2197, 0.2728



18.3487, 0.2331, 0.2508



18.3487, 0.2666, 0.2488

Triad

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



18.3487, 0.2331, 0.2508



18.3487, 0.4048, 0.3329



18.3487, 0.3038, 0.4080

Complementary

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



18.3487, 0.2331, 0.2508



22.6530, 0.4157, 0.3944

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.



18.3487, 0.3543, 0.4224



18.3487, 0.2331, 0.2508



18.3487, 0.4151, 0.3733

Square

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



18.3487, 0.2331, 0.2508



18.3487, 0.3669, 0.2944



18.3487, 0.3956, 0.4071



18.3487, 0.2580, 0.3657

Rectangle

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



18.3487, 0.2331, 0.2508



18.3487, 0.2978, 0.2575



18.3487, 0.3956, 0.4071



18.3487, 0.3208, 0.4164

Sweetspot

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



18.3494, 0.2331, 0.2508



55.1797, 0.2893, 0.3091



29.7141, 0.2762, 0.4061



11.7428, 0.2862, 0.3063



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.



18.3494, 0.2331, 0.2508



27.9328, 0.2161, 0.2288



10.3180, 0.2181, 0.1726



7.4107, 0.2987, 0.3173



6.6633, 0.1775, 0.1589



0.2346, 0.1961, 0.2259

Inverse Universe

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



15.1842, 0.3809, 0.2657



22.7360, 0.4051, 0.2539



35.0317, 0.3851, 0.4488



7.1416, 0.3211, 0.3180



6.5168, 0.4945, 0.2498



0.1465, 0.4170, 0.2071

Previews

White Background



This preview shows how the Yxy color 18.3487, 0.2331, 0.2508 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 18.3487, 0.2331, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

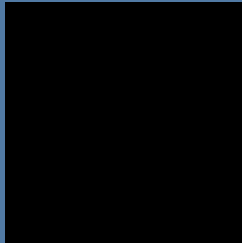
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

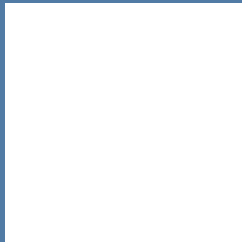
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3487, 0.2331, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 18.3487, 0.2331, 0.2508.

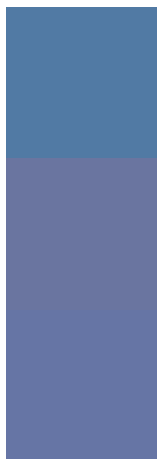


This preview shows how white text looks on a background with the Yxy color 18.3487, 0.2331, 0.2508.

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

18.3487, 0.2331, 0.2508

Protanopia

18.3248, 0.2562, 0.2518

Deuteranopia

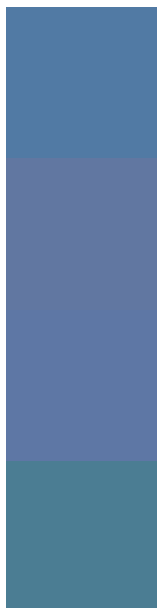
18.2640, 0.2483, 0.2434



Tritanopia

18.3626, 0.2481, 0.3082

Trichromacy



Original Color

18.3487, 0.2331, 0.2508

Protanomaly

18.3082, 0.2475, 0.2523

Deuteranomaly

18.2899, 0.2418, 0.2456

Tritanomaly

18.2697, 0.2419, 0.2851

Monochromacy



Original Color

18.3487, 0.2331, 0.2508

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5339, 0.2785, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3487, 0.2331, 0.2508 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(81, 122, 164)` looks like.

```
.text, #text, p{  
    color:rgb(81, 122, 164)  
}
```

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(81, 122, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 122, 164) }
```

Border

The CSS property to change the border of an element to Yxy 18.3487, 0.2331, 0.2508 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(81, 122, 164) }
```

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

```
.border{ border-color:rgb(81, 122, 164) }
```

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

Here you see how a box with a 4 pixel rgb(81, 122, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 122, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 122, 164);  
box-shadow:4px 4px 4px 4px rgb(81, 122,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3487, 0.2331, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 122, 164) }
```

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

```
.background{ background-color: rgb(81, 122,  
164) }
```

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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