

Converting Colors

$Y_{xy}(16.3181, 0.2278, 0.2535)$

Have a look what the booklet for
Yxy(16.3181, 0.2278, 0.2535)
contains.

Yxy(16.3181, 0.2278, 0.2535)	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(16.3181, 0.2278, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	44759B
RGB	68, 117, 155
RGB Percent	27%, 46%, 61%
CMY	0.7332, 0.5412, 0.3921
CMYK	0.56, 0.25, 0.00, 0.39
HSL	206°, 39%, 44%
HSV	206°, 56%, 61%
XYZ	14.6638, 16.3181, 33.3893
YIQ	106.6810, -41.4020, 1.4300

Conversions

Conversions Part 2

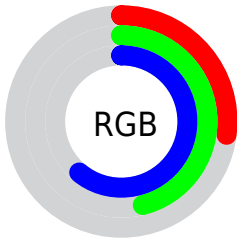
Format	Color
R _{YB}	68, 99, 155
Decimal	4486555
CIE _{Lab}	47.39, -5.06, -25.58
CIE _{LCh}	47, 26.074, 258.806
Yxy	16.3181, 0.2278, 0.2535
Android (android.graphics.Color)	4282676635 (0xFF44759B)
YUV	106.6810, 23.8213, -33.9232
Hunter-Lab	40.3957, -5.8963, -20.7296

Details

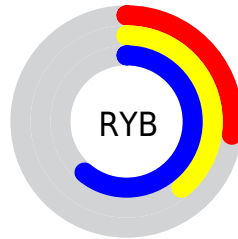
The Yxy color **16.3181, 0.2278, 0.2535** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.7053, 0.4356, 0.3910**, and the grayscale version is **14.5545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1667, 0.2464, 0.2705**, and **5.2557, 0.1948, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **14.3108, 0.2147, 0.2371**, and if you desaturate by 10%, it is **18.5883, 0.2421, 0.2693**.

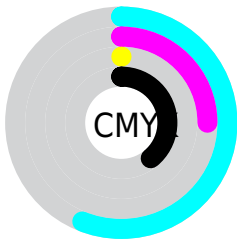
Distribution



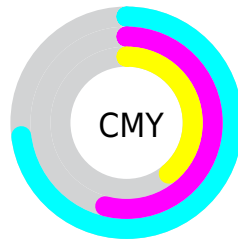
- Red (27%)
- Green (46%)
- Blue (61%)



- Red (27%)
- Yellow (39%)
- Blue (61%)



- Cyan (56%)
- Magenta (25%)
- Yellow (0%)
- Black (39%)



- Cyan (73%)
- Magenta (54%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3181, 0.2278, 0.2535 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 16.3181, 0.2278, 0.2535 by changing the saturation by 10% instead.

■ 16.3181, 0.2278,
0.2535

■ 16.3181, 0.2278,
0.2535

■ 231.2115, 0.2760,
0.2972

■ 9.7495, 0.2137,
0.2403

■ 37.1496, 0.2468,
0.2710

■ 5.2332, 0.1942,
0.2219

■ 52.1812, 0.2535,
0.2770

■ 2.3847, 0.1663,
0.1948

■ 70.8028, 0.2590,
0.2820

■ 0.8180, 0.1218,
0.1524

■ 93.3985, 0.2635,
0.2861

■ 0.0000, 0.0000,
0.0000

■ 120.3528, 0.2674,
0.2895

152.0502, 0.2707,

0.2924

188.8749, 0.2735,
0.2950

■ 16.3181, 0.2278,
0.2535

■ 16.3181, 0.2278,
0.2535

■ 14.3108, 0.2147,
0.2371

■ 18.5883, 0.2421,
0.2693

■ 12.5503, 0.2033,
0.2204

■ 21.1324, 0.2572,
0.2843

■ 11.0209, 0.1938,
0.2037

■ 23.9630, 0.2727,
0.2982

■ 9.7006, 0.1864,
0.1876

■ 27.0912, 0.2883,
0.3109

■ 9.2249, 0.1837,
0.1813

■ 30.5272, 0.3036,
0.3225

■ 34.2809, 0.3184,
0.3329

■ 38.3616, 0.3327,
0.3422

■ 42.7781, 0.3462,
0.3504

■ 47.5391, 0.3590,
0.3576

Harmonies

Analogous

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



16.3181, 0.2192, 0.2802



16.3181, 0.2278, 0.2535



16.3181, 0.2572, 0.2471

Triad

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



16.3181, 0.2278, 0.2535



16.3181, 0.3989, 0.3238



16.3181, 0.3151, 0.4146

Complementary

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



16.3181, 0.2278, 0.2535



17.7053, 0.4356, 0.3910

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.



16.3181, 0.3651, 0.4218



16.3181, 0.2278, 0.2535



16.3181, 0.4161, 0.3646

Square

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



16.3181, 0.2278, 0.2535



16.3181, 0.3562, 0.2865



16.3181, 0.4027, 0.4010



16.3181, 0.2669, 0.3770

Rectangle

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



16.3181, 0.2278, 0.2535



16.3181, 0.2866, 0.2533



16.3181, 0.4027, 0.4010



16.3181, 0.3323, 0.4206

Sweetspot

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



16.3187, 0.2278, 0.2535



47.7972, 0.2864, 0.3094



25.7098, 0.2780, 0.4281



10.5787, 0.2835, 0.3072



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.3187, 0.2278, 0.2535



24.8959, 0.2120, 0.2334



8.4730, 0.2094, 0.1652



6.5742, 0.2989, 0.3190



7.4858, 0.1841, 0.1826



0.1842, 0.2031, 0.2512

Inverse Universe

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



12.3924, 0.3804, 0.2508



18.3993, 0.4029, 0.2384



28.9477, 0.3959, 0.4522



6.2780, 0.3200, 0.3165



6.1610, 0.4654, 0.2337



0.0994, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 16.3181, 0.2278, 0.2535 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 16.3181, 0.2278, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

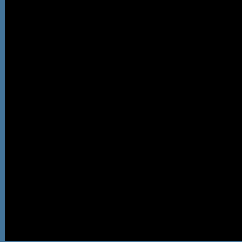
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

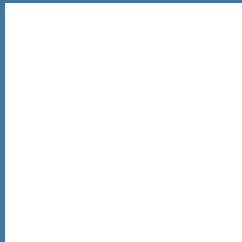
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.3181, 0.2278, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 16.3181, 0.2278, 0.2535.

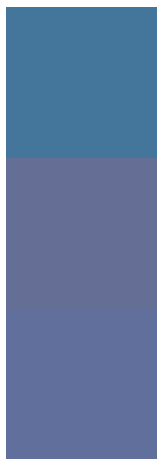


This preview shows how white text looks on a background with the Yxy color 16.3181, 0.2278, 0.2535.

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

16.3181, 0.2278, 0.2535

Protanopia

16.3376, 0.2586, 0.2552

Deuteranopia

16.3106, 0.2493, 0.2447



Tritanopia

16.2432, 0.2407, 0.3070

Trichromacy



Original Color

16.3181, 0.2278, 0.2535

Protanomaly

16.2011, 0.2456, 0.2535

Deuteranomaly

16.1890, 0.2397, 0.2465

Tritanomaly

16.3505, 0.2355, 0.2866

Monochromacy



Original Color

16.3181, 0.2278, 0.2535

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.1513, 0.2753, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3181, 0.2278, 0.2535 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(68, 117, 155)` looks like.

```
.text, #text, p{  
    color:rgb(68, 117, 155)  
}
```

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(68, 117, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 117, 155) }
```

Border

The CSS property to change the border of an element to Yxy 16.3181, 0.2278, 0.2535 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(68, 117, 155) }
```

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

```
.border{ border-color:rgb(68, 117, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 117, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 117, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 117, 155);  
box-shadow:4px 4px 4px 4px rgb(68, 117,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3181, 0.2278, 0.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 117, 155) }
```

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

```
.background{ background-color: rgb(68, 117,  
155) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor