

Converting Colors

$Yxy(16.3944, 0.2457, 0.2588)$

Have a look what the booklet for
Yxy(16.3944, 0.2457, 0.2588)
contains.

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Color

Yxy(16.2629, 0.2457, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	577296
RGB	87, 114, 150
RGB Percent	34%, 45%, 59%
CMY	0.6588, 0.5529, 0.4118
CMYK	0.42, 0.24, 0.00, 0.41
HSL	214°, 27%, 46%
HSV	214°, 42%, 59%
XYZ	15.4516, 16.2629, 31.1737
YIQ	110.0310, -27.6480, 5.4720

Conversions

Conversions Part 2

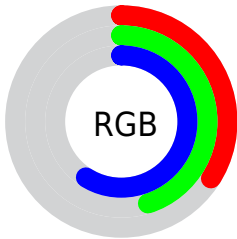
Format	Color
R_{YB}	87, 106, 150
Decimal	5730966
CIE _{Lab}	47.32, -0.03, -22.65
CIE _{LCh}	47, 22.649, 269.914
Yxy	16.2629, 0.2457, 0.2586
Android (android.graphics.Color)	4283921046 (0xFF577296)
YUV	110.0310, 19.7047, -20.1982
Hunter-Lab	40.3273, -2.1794, -17.6031

Details

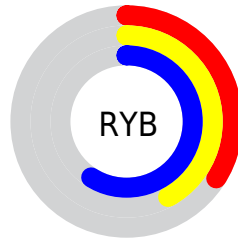
The Yxy color **16.2629, 0.2457, 0.2586** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.3321, 0.3907, 0.3899**, and the grayscale version is **15.5507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1210, 0.2611, 0.2755**, and **5.1723, 0.2176, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **13.7717, 0.2294, 0.2380**, and if you desaturate by 10%, it is **19.0864, 0.2623, 0.2779**.

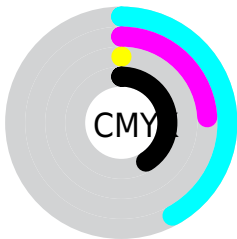
Distribution



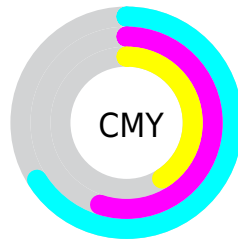
- Red (34%)
- Green (45%)
- Blue (59%)



- Red (34%)
- Yellow (42%)
- Blue (59%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)
- Black (41%)



- Cyan (66%)
- Magenta (55%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2629, 0.2457, 0.2586 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 16.2629, 0.2457, 0.2586 by changing the saturation by 10% instead.

■ 16.2629, 0.2457,
0.2586

■ 16.2629, 0.2457,
0.2586

■ 230.8881, 0.2842,
0.2991

■ 9.7104, 0.2341,
0.2464

■ 37.0540, 0.2611,
0.2748

■ 5.2074, 0.2179,
0.2293

■ 52.0614, 0.2664,
0.2804

■ 2.3694, 0.1938,
0.2040

■ 70.6558, 0.2708,
0.2849

■ 0.8101, 0.1551,
0.1634

■ 93.2218, 0.2744,
0.2887

■ 0.0000, 0.0000,
0.0000

■ 120.1436, 0.2774,
0.2919

151.8056, 0.2800,

0.2947

188.5923, 0.2823,
0.2970

■ 16.2629, 0.2457,
0.2586

■ 16.2629, 0.2457,
0.2586

■ 13.7717, 0.2294,
0.2380

■ 19.0864, 0.2623,
0.2779

■ 11.5967, 0.2140,
0.2166

■ 22.2537, 0.2787,
0.2957

■ 9.7229, 0.1999,
0.1949

■ 25.7779, 0.2946,
0.3118

■ 8.1330, 0.1878,
0.1734

■ 29.6708, 0.3098,
0.3263

■ 6.8074, 0.1781,
0.1531

■ 33.9436, 0.3241,
0.3392

■ 5.9034, 0.1716,
0.1377

■ 38.6071, 0.3375,
0.3506

■ 43.6714, 0.3499,
0.3607

■ 49.1464, 0.3614,
0.3695

■ 55.0417, 0.3720,
0.3772

Harmonies

Analogous

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



16.2629, 0.2309, 0.2760



16.2629, 0.2457, 0.2586



16.2629, 0.2780, 0.2590

Triad

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



16.2629, 0.2457, 0.2586



16.2629, 0.3961, 0.3384



16.2629, 0.2989, 0.3932

Complementary

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



16.2629, 0.2457, 0.2586



21.3321, 0.3907, 0.3899

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.



16.2629, 0.3434, 0.4102



16.2629, 0.2457, 0.2586



16.2629, 0.4015, 0.3738

Square

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



16.2629, 0.2457, 0.2586



16.2629, 0.3662, 0.3033



16.2629, 0.3814, 0.4012



16.2629, 0.2598, 0.3545

Rectangle

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



16.2629, 0.2457, 0.2586



16.2629, 0.3066, 0.2681



16.2629, 0.3814, 0.4012



16.2629, 0.3137, 0.4018

Sweetspot

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



16.2635, 0.2457, 0.2586



44.6816, 0.2926, 0.3099



25.2575, 0.2778, 0.3816



9.6147, 0.2894, 0.3067



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.2635, 0.2457, 0.2586



24.7274, 0.2310, 0.2402



11.2517, 0.2416, 0.2052



6.0174, 0.2989, 0.3160



4.9583, 0.1720, 0.1391



0.1173, 0.1947, 0.2210

Inverse Universe

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



14.5139, 0.3711, 0.2832



21.8218, 0.3900, 0.2738



28.5888, 0.3688, 0.4314



5.8542, 0.3219, 0.3195



5.6939, 0.5203, 0.2640



0.0754, 0.4222, 0.2099

Previews

White Background



This preview shows how the Yxy color 16.2629, 0.2457, 0.2586 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 16.2629, 0.2457, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

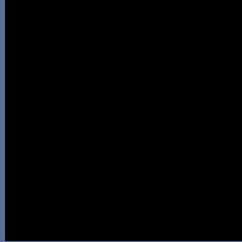
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

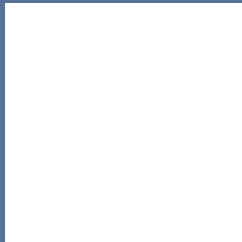
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2629, 0.2457, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 16.2629, 0.2457, 0.2586.

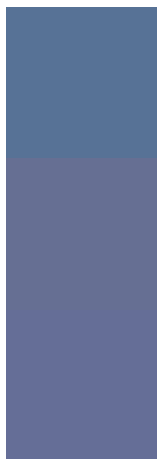


This preview shows how white text looks on a background with the Yxy color 16.2629, 0.2457, 0.2586.

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

16.2629, 0.2457, 0.2586

Protanopia

16.3002, 0.2624, 0.2603

Deuteranopia

16.1529, 0.2574, 0.2516



Tritanopia

16.2647, 0.2604, 0.3076

Trichromacy



Original Color

16.2629, 0.2457, 0.2586

Protanomaly

16.2678, 0.2565, 0.2597

Deuteranomaly

16.0900, 0.2526, 0.2525

Tritanomaly

16.3392, 0.2548, 0.2897

Monochromacy



Original Color

16.2629, 0.2457, 0.2586

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6743, 0.2849, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2629, 0.2457, 0.2586 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(87, 114, 150)` looks like.

```
.text, #text, p{  
  color:rgb(87, 114, 150)  
}
```

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(87, 114, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 114, 150) }
```

Border

The CSS property to change the border of an element to Yxy 16.2629, 0.2457, 0.2586 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(87, 114, 150) }
```

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

```
.border{ border-color:rgb(87, 114, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 114, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 114, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 114, 150);  
box-shadow:4px 4px 4px 4px rgb(87, 114,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2629, 0.2457, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 114, 150) }
```

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

```
.background{ background-color: rgb(87, 114,  
150) }
```

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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