

Converting Colors

$Yxy(18.0607, 0.2408, 0.3020)$

Have a look what the booklet for
Yxy(18.0607, 0.2408, 0.3020)
contains.

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Color

Yxy(18.1666, 0.2414, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	417F8B
RGB	65, 127, 139
RGB Percent	25%, 50%, 55%
CMY	0.7453, 0.5019, 0.4550
CMYK	0.53, 0.09, 0.00, 0.45
HSL	190°, 36%, 40%
HSV	190°, 53%, 55%
XYZ	14.4257, 18.1666, 27.1662
YIQ	109.8300, -40.8040, -9.4120

Conversions

Conversions Part 2

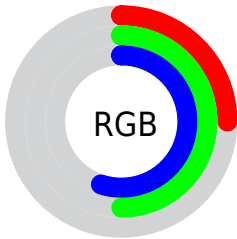
Format	Color
R _{YB}	65, 99, 139
Decimal	4292491
CIE _{Lab}	49.70, -16.47, -12.64
CIE _{LCh}	50, 20.760, 217.495
Y _{xy}	18.1666, 0.2414, 0.3040
Android (android.graphics.Color)	4282482571 (0xFF417F8B)
YUV	109.8300, 14.3808, -39.3159
Hunter-Lab	42.6223, -14.1749, -7.9542

Details

The Yxy color **18.1666, 0.2414, 0.3040** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1650, 0.4479, 0.3510**, and the grayscale version is **15.5049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3702, 0.2578, 0.3112**, and **6.1700, 0.2146, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **17.1762, 0.2317, 0.2985**, and if you desaturate by 10%, it is **19.2881, 0.2527, 0.3093**.

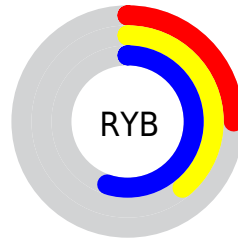
Distribution



Red (25%)

Green (50%)

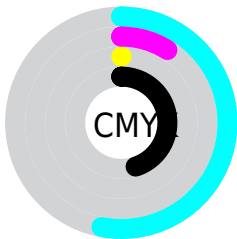
Blue (55%)



Red (25%)

Yellow (39%)

Blue (55%)

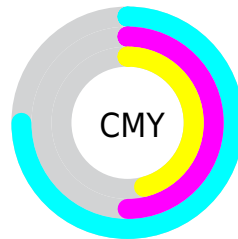


Cyan (53%)

Magenta (9%)

Yellow (0%)

Black (45%)



Cyan (75%)

Magenta (50%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1666, 0.2414, 0.3040 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 18.1666, 0.2414, 0.3040 by changing the saturation by 10% instead.

■ 18.1666, 0.2414,
0.3040

■ 18.1666, 0.2414,
0.3040

■ 241.8084, 0.2817,
0.3193

■ 11.0697, 0.2295,
0.2989

■ 40.3210, 0.2573,
0.3104

■ 6.1137, 0.2131,
0.2913

■ 56.1473, 0.2629,
0.3125

■ 2.9143, 0.1889,
0.2791

■ 75.6521, 0.2674,
0.3142

■ 1.0872, 0.1466,
0.2577

■ 99.2199, 0.2712,
0.3156

■ 0.0000, 0.0000,
0.0000

■ 127.2350, 0.2744,
0.3168

160.0819, 0.2772,

0.3177

198.1449, 0.2796,
0.3186

■ 18.1666, 0.2414,
0.3040

■ 18.1666, 0.2414,
0.3040

■ 17.1762, 0.2317,
0.2985

■ 19.2881, 0.2527,
0.3093

■ 16.3059, 0.2237,
0.2929

■ 20.5464, 0.2652,
0.3144

■ 15.5464, 0.2174,
0.2873

■ 21.9496, 0.2788,
0.3192

■ 14.8858, 0.2130,
0.2817

■ 23.5042, 0.2931,
0.3236

■ 14.4721, 0.2105,
0.2779

■ 25.2166, 0.3078,
0.3277

■ 27.0927, 0.3228,
0.3315

■ 29.1380, 0.3377,
0.3348

■ 31.3577, 0.3525,
0.3378

■ 33.7570, 0.3669,
0.3405

Harmonies

Analogous

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



18.1666, 0.2590, 0.3417



18.1666, 0.2414, 0.3040



18.1666, 0.2415, 0.2767

Triad

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



18.1666, 0.2414, 0.3040



18.1666, 0.3314, 0.2864



18.1666, 0.3664, 0.3968

Complementary

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



18.1666, 0.2414, 0.3040



11.1650, 0.4479, 0.3510

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.



18.1666, 0.3887, 0.3764



18.1666, 0.2414, 0.3040



18.1666, 0.3682, 0.3139

Square

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



18.1666, 0.2414, 0.3040



18.1666, 0.2913, 0.2688



18.1666, 0.3897, 0.3461



18.1666, 0.3304, 0.3987

Rectangle

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



18.1666, 0.2414, 0.3040



18.1666, 0.2514, 0.2671



18.1666, 0.3897, 0.3461



18.1666, 0.3759, 0.3917

Sweetspot

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



18.1673, 0.2414, 0.3040



41.2157, 0.2886, 0.3223



20.1054, 0.2965, 0.4689



9.3806, 0.2860, 0.3215



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.1673, 0.2414, 0.3040



30.4187, 0.2298, 0.2973



10.4436, 0.2253, 0.2227



5.5533, 0.2991, 0.3254



13.0855, 0.2106, 0.2782



0.1040, 0.2181, 0.3050

Inverse Universe

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



10.7945, 0.3377, 0.2227



16.2506, 0.3449, 0.2037



17.6948, 0.4102, 0.4145



5.1153, 0.3160, 0.3109



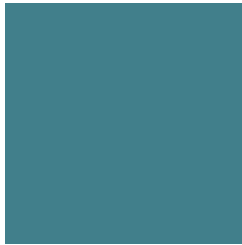
6.1052, 0.3652, 0.1785



0.0423, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 18.1666, 0.2414, 0.3040 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 18.1666, 0.2414, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

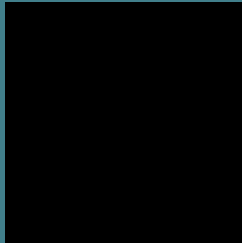
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1666, 0.2414, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 18.1666, 0.2414, 0.3040.



This preview shows how white text looks on a background with the Yxy color 18.1666, 0.2414, 0.3040.

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

18.1666, 0.2414, 0.3040

Protanopia

18.0334, 0.2932, 0.3005

Deuteranopia

17.9964, 0.2847, 0.2793



Tritanopia

18.1037, 0.2415, 0.3059

Trichromacy



Original Color

18.1666, 0.2414, 0.3040

Protanomaly

17.9654, 0.2706, 0.3012

Deuteranomaly

17.7134, 0.2656, 0.2861

Tritanomaly

18.1037, 0.2415, 0.3059

Monochromacy



Original Color

18.1666, 0.2414, 0.3040

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.2509, 0.2804, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1666, 0.2414, 0.3040 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(65, 127, 139)` looks like.

```
.text, #text, p{  
    color:rgb(65, 127, 139)  
}
```

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(65, 127, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 127, 139) }
```

Border

The CSS property to change the border of an element to Yxy 18.1666, 0.2414, 0.3040 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(65, 127, 139) }
```

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

```
.border{ border-color:rgb(65, 127, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 127, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 127, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 127, 139);  
box-shadow:4px 4px 4px 4px rgb(65, 127,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1666, 0.2414, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 127, 139) }
```

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

```
.background{ background-color: rgb(65, 127,  
139) }
```

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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