

Converting Colors

$Yxy(18.9787, 0.2125, 0.2779)$

Have a look what the booklet for
Yxy(18.9787, 0.2125, 0.2779)
contains.

Yxy(19.0470, 0.2127, 0.2784)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.0470, 0.2127, 0.2784)$

Conversions

Conversions Part 1

Format	Color
Hex	10849D
RGB	16, 132, 157
RGB Percent	6%, 52%, 62%
CMY	0.9372, 0.4824, 0.3842
CMYK	0.90, 0.16, 0.00, 0.38
HSL	191°, 81%, 34%
HSV	191°, 90%, 62%
XYZ	14.5521, 19.0470, 34.8169
YIQ	100.1660, -77.1610, -16.8170

Conversions

Conversions Part 2

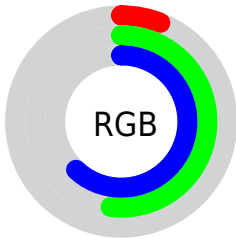
Format	Color
R_{YB}	16, 80, 157
Decimal	1082525
CIE _{Lab}	50.74, -20.20, -21.69
CIE _{LCh}	51, 29.639, 227.044
Yxy	19.0470, 0.2127, 0.2784
Android (android.graphics.Color)	4279272605 (0xFF10849D)
YUV	100.1660, 28.0192, -73.8136
Hunter-Lab	43.6429, -16.8568, -16.7496

Details

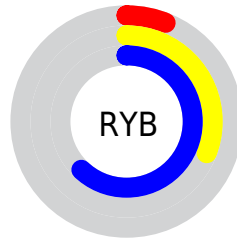
The Yxy color **19.0470, 0.2127, 0.2784** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **8.7960, 0.5918, 0.3518**, and the grayscale version is **12.7320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7267, 0.2338, 0.2899**, and **7.0752, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **18.1937, 0.2090, 0.2722**, and if you desaturate by 10%, it is **20.0058, 0.2178, 0.2847**.

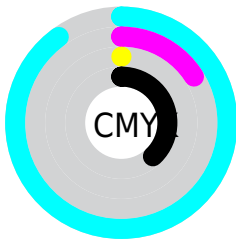
Distribution



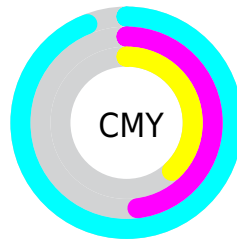
- Red (6%)
- Green (52%)
- Blue (62%)



- Red (6%)
- Yellow (31%)
- Blue (62%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (94%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0470, 0.2127, 0.2784 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 19.0470, 0.2127, 0.2784 by changing the saturation by 10% instead.

■ 19.0470, 0.2127,
0.2784

■ 19.0470, 0.2127,
0.2784

■ 246.7081, 0.2678,
0.3086

■ 11.7042, 0.1973,
0.2689

■ 41.8135, 0.2339,
0.2908

■ 6.5426, 0.1767,
0.2552

■ 58.0060, 0.2416,
0.2950

■ 3.1777, 0.1480,
0.2345

■ 77.9173, 0.2478,
0.2984

■ 1.2252, 0.1044,
0.2007

■ 101.9317, 0.2531,
0.3011

■ 0.0822, 0.0000,
0.0446

■ 130.4335, 0.2576,
0.3035

■ 0.0000, 0.0000,
0.0000

■ 163.8073, 0.2615,

0.3054

202.4374, 0.2648,
0.3071

■ 19.0470, 0.2127,
0.2784

■ 19.0470, 0.2127,
0.2784

■ 18.1937, 0.2090,
0.2722

■ 20.0058, 0.2178,
0.2847

■ 18.1772, 0.2089,
0.2720

■ 21.1037, 0.2248,
0.2910

■ 22.3568, 0.2336,
0.2972

■ 23.7781, 0.2441,
0.3033

■ 25.3790, 0.2561,
0.3091

■ 27.1701, 0.2693,
0.3147

■ 29.1609, 0.2833,
0.3199

■ 31.3603, 0.2980,
0.3247

■ 33.7764, 0.3130,
0.3291

Harmonies

Analogous

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



19.0470, 0.2282, 0.3278



19.0470, 0.2127, 0.2784



19.0470, 0.2205, 0.2489

Triad

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



19.0470, 0.2127, 0.2784



19.0470, 0.3562, 0.2813



19.0470, 0.3716, 0.4286

Complementary

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



19.0470, 0.2127, 0.2784



8.7960, 0.5918, 0.3518

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.



19.0470, 0.4112, 0.4040



19.0470, 0.2127, 0.2784



19.0470, 0.4038, 0.3205

Square

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



19.0470, 0.2127, 0.2784



19.0470, 0.2992, 0.2531



19.0470, 0.4241, 0.3640



19.0470, 0.3181, 0.4235

Rectangle

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



19.0470, 0.2127, 0.2784



19.0470, 0.2383, 0.2414



19.0470, 0.4241, 0.3640



19.0470, 0.3870, 0.4230

Sweetspot

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



19.0477, 0.2127, 0.2784



49.4259, 0.2724, 0.3159



24.3813, 0.2939, 0.5666



10.6415, 0.2681, 0.3142



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.



19.0477, 0.2127, 0.2784



32.2912, 0.2086, 0.2709



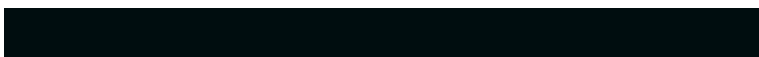
6.1021, 0.1725, 0.1303



7.3091, 0.2988, 0.3249



14.8072, 0.2090, 0.2725



0.3127, 0.2160, 0.2974

Inverse Universe

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



9.2071, 0.3644, 0.1837



15.6571, 0.3720, 0.1823



18.3636, 0.4782, 0.4485



6.7344, 0.3163, 0.3108



7.1170, 0.3704, 0.1814



0.1321, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 19.0470, 0.2127, 0.2784 looks on a white 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

Black Background



This preview shows how the Yxy color 19.0470, 0.2127, 0.2784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

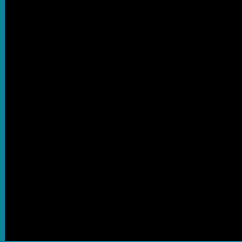
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0470, 0.2127, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 19.0470, 0.2127, 0.2784.

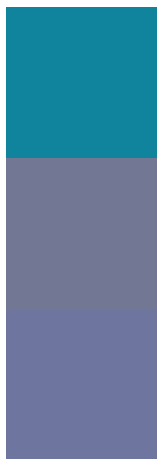


This preview shows how white text looks on a background with the Yxy color 19.0470, 0.2127, 0.2784.

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

19.0470, 0.2127, 0.2784

Protanopia

18.9092, 0.2758, 0.2762

Deuteranopia

18.8099, 0.2604, 0.2544



Tritanopia

19.0638, 0.2188, 0.3076

Trichromacy



Original Color

19.0470, 0.2127, 0.2784

Protanomaly

18.2694, 0.2408, 0.2761

Deuteranomaly

18.2056, 0.2332, 0.2601

Tritanomaly

18.9837, 0.2162, 0.2955

Monochromacy



Original Color

19.0470, 0.2127, 0.2784

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2340, 0.2535, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0470, 0.2127, 0.2784 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(16, 132, 157)` looks like.

```
.text, #text, p{  
  color:rgb(16, 132, 157)  
}
```

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(16, 132, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 132, 157) }
```

Border

The CSS property to change the border of an element to Yxy 19.0470, 0.2127, 0.2784 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(16, 132, 157) }
```

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

```
.border{ border-color:rgb(16, 132, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 132, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 132, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 132, 157);  
box-shadow:4px 4px 4px 4px rgb(16, 132,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0470, 0.2127, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 132, 157) }
```

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

```
.background{ background-color: rgb(16, 132,  
157) }
```

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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