

Converting Colors

$Yxy(18.7767, 0.2018, 0.2393)$

Have a look what the booklet for
Yxy(18.7767, 0.2018, 0.2393)
contains.

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Color

Yxy(18.7015, 0.2017, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	1280B0
RGB	18, 128, 176
RGB Percent	7%, 50%, 69%
CMY	0.9297, 0.4980, 0.3099
CMYK	0.90, 0.27, 0.00, 0.31
HSL	198°, 82%, 38%
HSV	198°, 90%, 69%
XYZ	15.8026, 18.7015, 43.8431
YIQ	100.5820, -80.9680, -8.3920

Conversions

Conversions Part 2

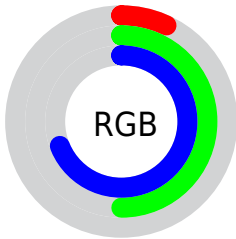
Format	Color
R_{YB}	18, 83, 176
Decimal	1212592
CIE _{Lab}	50.34, -10.99, -33.31
CIE _{LCh}	50, 35.082, 251.737
Yxy	18.7015, 0.2017, 0.2387
Android (android.graphics.Color)	4279402672 (0xFF1280B0)
YUV	100.5820, 37.1811, -72.4244
Hunter-Lab	43.2452, -10.4518, -29.8381

Details

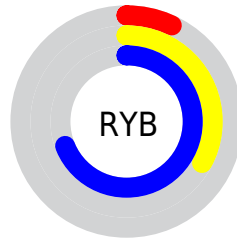
The Yxy color **18.7015, 0.2017, 0.2387** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **13.1581, 0.5673, 0.3741**, and the grayscale version is **12.8144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3607, 0.2249, 0.2590**, and **7.0220, 0.1922, 0.2118** is the 20% darker color. If you saturate the color by 10%, you get **17.2190, 0.1966, 0.2274**, and if you desaturate by 10%, it is **20.3716, 0.2085, 0.2501**.

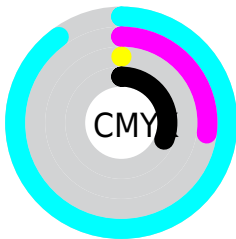
Distribution



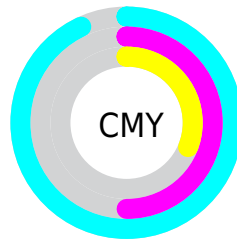
- Red (7%)
- Green (50%)
- Blue (69%)



- Red (7%)
- Yellow (33%)
- Blue (69%)



- Cyan (90%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (93%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7015, 0.2017, 0.2387 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 18.7015, 0.2017, 0.2387 by changing the saturation by 10% instead.

■ 18.7015, 0.2017,
0.2387

■ 18.7015, 0.2017,
0.2387

■ 244.7959, 0.2623,
0.2899

■ 11.4548, 0.1853,
0.2240

■ 41.2291, 0.2248,
0.2588

■ 6.3736, 0.1637,
0.2041

■ 57.2788, 0.2332,
0.2659

■ 3.0736, 0.1346,
0.1761

■ 77.0315, 0.2401,
0.2717

■ 1.1703, 0.0949,
0.1356

■ 100.8718, 0.2460,
0.2766

■ 0.0372, 0.0000,
0.0116

■ 129.1840, 0.2509,
0.2807

■ 0.0000, 0.0000,
0.0000

■ 162.3525, 0.2552,

0.2842

200.7616, 0.2590,
0.2873

■ 18.7015, 0.2017,
0.2387

■ 18.7015, 0.2017,
0.2387

■ 17.2190, 0.1966,
0.2274

■ 20.3716, 0.2085,
0.2501

■ 17.1916, 0.1965,
0.2272

■ 22.2705, 0.2172,
0.2615

■ 24.4202, 0.2278,
0.2728

■ 26.8389, 0.2400,
0.2837

■ 29.5428, 0.2534,
0.2942

■ 32.5465, 0.2677,
0.3040

■ 35.8635, 0.2827,
0.3132

■ 39.5063, 0.2978,
0.3215

■ 43.4866, 0.3130,
0.3291

Harmonies

Analogous

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



18.7015, 0.1972, 0.2767



18.7015, 0.2017, 0.2387



18.7015, 0.2317, 0.2264

Triad

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



18.7015, 0.2017, 0.2387



18.7015, 0.4131, 0.3093



18.7015, 0.3293, 0.4474

Complementary

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



18.7015, 0.2017, 0.2387



13.1581, 0.5673, 0.3741

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.



18.7015, 0.3909, 0.4437



18.7015, 0.2017, 0.2387



18.7015, 0.4439, 0.3591

Square

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



18.7015, 0.2017, 0.2387



18.7015, 0.3521, 0.2662



18.7015, 0.4341, 0.4078



18.7015, 0.2665, 0.4066

Rectangle

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



18.7015, 0.2017, 0.2387



18.7015, 0.2649, 0.2310



18.7015, 0.4341, 0.4078



18.7015, 0.3508, 0.4509

Sweetspot

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



18.7021, 0.2017, 0.2387



60.3935, 0.2712, 0.3062



31.5586, 0.2858, 0.5389



12.6739, 0.2663, 0.3031



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.7021, 0.2017, 0.2387



30.7686, 0.1959, 0.2253



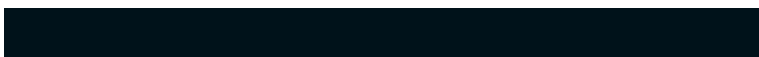
5.5045, 0.1633, 0.0977



9.1874, 0.2986, 0.3219



12.7227, 0.1968, 0.2284



0.4972, 0.2055, 0.2598

Inverse Universe

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



11.2176, 0.4027, 0.2052



19.2726, 0.4175, 0.2074



29.3322, 0.4513, 0.4721



8.6019, 0.3182, 0.3133



7.8245, 0.4143, 0.2056



0.2560, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 18.7015, 0.2017, 0.2387 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 18.7015, 0.2017, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

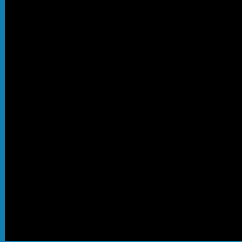
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7015, 0.2017, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 18.7015, 0.2017, 0.2387.



This preview shows how white text looks on a background with the Yxy color 18.7015, 0.2017, 0.2387.

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

18.7015, 0.2017, 0.2387

Protanopia

18.4557, 0.2486, 0.2409

Deuteranopia

18.6833, 0.2310, 0.2266



Tritanopia

18.7582, 0.2188, 0.3075

Trichromacy



Original Color

18.7015, 0.2017, 0.2387

Protanomaly

17.9935, 0.2232, 0.2385

Deuteranomaly

18.2172, 0.2148, 0.2291

Tritanomaly

18.6443, 0.2119, 0.2798

Monochromacy



Original Color

18.7015, 0.2017, 0.2387

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.2670, 0.2487, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7015, 0.2017, 0.2387 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(18, 128, 176)` looks like.

```
.text, #text, p{  
    color:rgb(18, 128, 176)  
}
```

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(18, 128, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 128, 176) }
```

Border

The CSS property to change the border of an element to Yxy 18.7015, 0.2017, 0.2387 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(18, 128, 176) }
```

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

```
.border{ border-color:rgb(18, 128, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 128, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 128, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 128, 176);  
box-shadow:4px 4px 4px 4px rgb(18, 128,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7015, 0.2017, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 128, 176) }
```

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

```
.background{ background-color: rgb(18, 128,  
176) }
```

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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