

Converting Colors

$Y_{xy}(11.5673, 0.2015, 0.1970)$

Have a look what the booklet for
Yxy(11.5673, 0.2015, 0.1970)
contains.

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Color

$Y_{xy}(11.5673, 0.2015, 0.1970)$

Conversions

Conversions Part 1

Format	Color
Hex	3060A1
RGB	48, 96, 161
RGB Percent	19%, 38%, 63%
CMY	0.8120, 0.6235, 0.3687
CMYK	0.70, 0.40, 0.00, 0.37
HSL	214°, 54%, 41%
HSV	214°, 70%, 63%
XYZ	11.8315, 11.5673, 35.3184
YIQ	89.0580, -49.4730, 10.0390

Conversions

Conversions Part 2

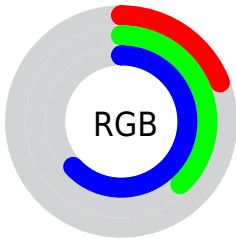
Format	Color
R_{YB}	48, 82, 161
Decimal	3170465
CIE _{Lab}	40.52, 6.03, -39.97
CIE _{LCh}	41, 40.423, 278.583
Yxy	11.5673, 0.2015, 0.1970
Android (android.graphics.Color)	4281360545 (0xFF3060A1)
YUV	89.0580, 35.4674, -36.0079
Hunter-Lab	34.0107, 2.5771, -37.7622

Details

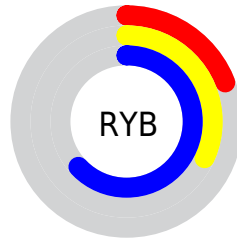
The Yxy color **11.5673, 0.2015, 0.1970** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.5809, 0.4576, 0.4242**, and the grayscale version is **9.9296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6414, 0.2274, 0.2267**, and **3.4718, 0.1765, 0.1554** is the 20% darker color. If you saturate the color by 10%, you get **9.6547, 0.1890, 0.1753**, and if you desaturate by 10%, it is **13.8215, 0.2159, 0.2190**.

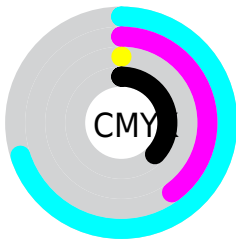
Distribution



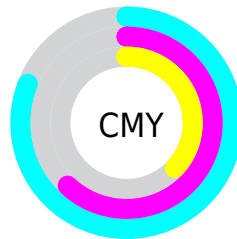
- Red (19%)
- Green (38%)
- Blue (63%)



- Red (19%)
- Yellow (32%)
- Blue (63%)



- Cyan (70%)
- Magenta (40%)
- Yellow (0%)
- Black (37%)



- Cyan (81%)
- Magenta (62%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5673, 0.2015, 0.1970 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 11.5673, 0.2015, 0.1970 by changing the saturation by 10% instead.

■ 11.5673, 0.2015,
0.1970

■ 11.5673, 0.2015,
0.1970

■ 201.5193, 0.2665,
0.2725

■ 6.4498, 0.1822,
0.1754

■ 28.7045, 0.2275,
0.2266

■ 3.1205, 0.1560,
0.1466

■ 41.4930, 0.2365,
0.2371

■ 1.1949, 0.1196,
0.1078

■ 57.6073, 0.2439,
0.2457

■ 0.0576, 0.0437,
0.0124

■ 77.4318, 0.2500,
0.2529

■ 0.0000, 0.0000,
0.0000

■ 101.3508, 0.2551,
0.2590

■ 129.7488, 0.2595,

0.2641

163.0102, 0.2632,
0.2686

■ 11.5673, 0.2015,
0.1970

■ 11.5673, 0.2015,
0.1970

■ 9.6547, 0.1890,
0.1753

■ 13.8215, 0.2159,
0.2190

■ 8.0593, 0.1789,
0.1545

■ 16.4364, 0.2317,
0.2406

■ 6.7613, 0.1710,
0.1356

■ 19.4309, 0.2482,
0.2612

■ 22.8218, 0.2649,
0.2805

■ 26.6250, 0.2814,
0.2983

■ 30.8553, 0.2973,
0.3143

■ 35.5267, 0.3124,
0.3287

■ 40.6525, 0.3266,
0.3415

■ 46.2454, 0.3399,
0.3528

Harmonies

Analogous

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



11.5673, 0.1681, 0.2133



11.5673, 0.2015, 0.1970



11.5673, 0.2657, 0.2081

Triad

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



11.5673, 0.2015, 0.1970



11.5673, 0.4870, 0.3554



11.5673, 0.2565, 0.4465

Complementary

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



11.5673, 0.2015, 0.1970



19.5809, 0.4576, 0.4242

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.



11.5673, 0.3389, 0.4948



11.5673, 0.2015, 0.1970



11.5673, 0.4753, 0.4192

Square

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



11.5673, 0.2015, 0.1970



11.5673, 0.4412, 0.2943



11.5673, 0.4188, 0.4751



11.5673, 0.1942, 0.3498

Rectangle

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



11.5673, 0.2015, 0.1970



11.5673, 0.3234, 0.2287



11.5673, 0.4188, 0.4751



11.5673, 0.2829, 0.4705

Sweetspot

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



11.5677, 0.2015, 0.1970



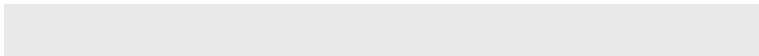
46.8508, 0.2794, 0.2963



27.2803, 0.2643, 0.4271



9.8805, 0.2752, 0.2918



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



11.5677, 0.2015, 0.1970



15.6938, 0.1832, 0.1639



5.5086, 0.1859, 0.1127



7.3320, 0.2987, 0.3157



5.4789, 0.1714, 0.1371



0.2079, 0.1914, 0.2091

Inverse Universe

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



10.5299, 0.4405, 0.2597



15.7688, 0.4846, 0.2582



32.5120, 0.3974, 0.4876



7.1336, 0.3221, 0.3195



6.3972, 0.5229, 0.2654



0.1438, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 11.5673, 0.2015, 0.1970 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 11.5673, 0.2015, 0.1970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

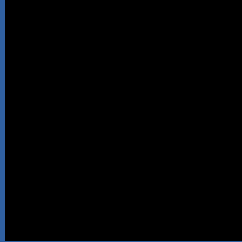
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5673, 0.2015, 0.1970

Background



This preview shows how black text looks on a background with the Yxy color 11.5673, 0.2015, 0.1970.



This preview shows how white text looks on a background with the Yxy color 11.5673, 0.2015, 0.1970.

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

11.5673, 0.2015, 0.1970

Protanopia

11.5263, 0.2153, 0.1990

Deuteranopia

11.5673, 0.2015, 0.1970



Tritanopia

11.5230, 0.2189, 0.3079

Trichromacy



Original Color

11.5673, 0.2015, 0.1970

Protanomaly

11.5007, 0.2099, 0.1981

Deuteranomaly

11.5673, 0.2015, 0.1970

Tritanomaly

11.2606, 0.2087, 0.2588

Monochromacy



Original Color

11.5673, 0.2015, 0.1970

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3479, 0.2578, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5673, 0.2015, 0.1970 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(48, 96, 161)` looks like.

```
.text, #text, p{  
    color:rgb(48, 96, 161)  
}
```

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(48, 96, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 96, 161) }
```

Border

The CSS property to change the border of an element to Yxy 11.5673, 0.2015, 0.1970 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(48, 96, 161) }
```

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

```
.border{ border-color:rgb(48, 96, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 96, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 96, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 96, 161);  
box-shadow:4px 4px 4px 4px rgb(48, 96,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5673, 0.2015, 0.1970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 96, 161) }
```

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

```
.background{ background-color: rgb(48, 96,  
161) }
```

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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