

Converting Colors

$Y_{xy}(11.5177, 0.2062, 0.2080)$

Have a look what the booklet for
Yxy(11.5177, 0.2062, 0.2080)
contains.

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Color

$Y_{xy}(11.5689, 0.2058, 0.2078)$

Conversions

Conversions Part 1

Format	Color
Hex	31619B
RGB	49, 97, 155
RGB Percent	19%, 38%, 61%
CMY	0.8080, 0.6196, 0.3921
CMYK	0.68, 0.37, 0.00, 0.39
HSL	213°, 52%, 40%
HSV	213°, 68%, 61%
XYZ	11.4576, 11.5689, 32.6468
YIQ	89.2600, -47.2260, 7.8620

Conversions

Conversions Part 2

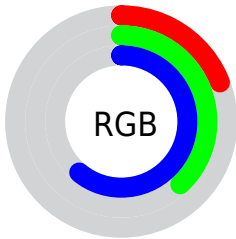
Format	Color
R_{YB}	49, 82, 155
Decimal	3236251
CIE _{Lab}	40.52, 3.36, -36.41
CIE _{LCh}	41, 36.564, 275.277
Yxy	11.5689, 0.2058, 0.2078
Android (android.graphics.Color)	4281426331 (0xFF31619B)
YUV	89.2600, 32.4098, -35.3080
Hunter-Lab	34.0131, 0.6061, -33.0992

Details

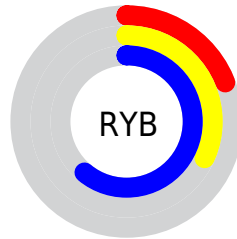
The Yxy color **11.5689, 0.2058, 0.2078** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.7041, 0.4566, 0.4182**, and the grayscale version is **9.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6464, 0.2310, 0.2352**, and **3.3469, 0.1792, 0.1652** is the 20% darker color. If you saturate the color by 10%, you get **9.7638, 0.1933, 0.1869**, and if you desaturate by 10%, it is **13.6749, 0.2201, 0.2287**.

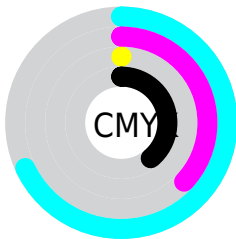
Distribution



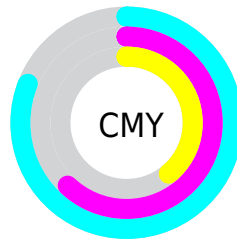
- Red (19%)
- Green (38%)
- Blue (61%)



- Red (19%)
- Yellow (32%)
- Blue (61%)



- Cyan (68%)
- Magenta (37%)
- Yellow (0%)
- Black (39%)



- Cyan (81%)
- Magenta (62%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5689, 0.2058, 0.2078 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 11.5689, 0.2058, 0.2078 by changing the saturation by 10% instead.

■ 11.5689, 0.2058,
0.2078

■ 11.5689, 0.2058,
0.2078

■ 201.5300, 0.2685,
0.2781

■ 6.4509, 0.1869,
0.1871

■ 28.7075, 0.2310,
0.2358

■ 3.1211, 0.1609,
0.1589

■ 41.4968, 0.2397,
0.2455

■ 1.1953, 0.1242,
0.1198

■ 57.6120, 0.2468,
0.2535

■ 0.0579, 0.0350,
0.0148

■ 77.4375, 0.2527,
0.2601

■ 0.0000, 0.0000,
0.0000

■ 101.3576, 0.2576,
0.2657

■ 129.7568, 0.2618,

0.2704

163.0195, 0.2654,
0.2745

■ 11.5689, 0.2058,
0.2078

■ 11.5689, 0.2058,
0.2078

■ 9.7638, 0.1933,
0.1869

■ 13.6749, 0.2201,
0.2287

■ 8.2389, 0.1829,
0.1667

■ 16.0979, 0.2357,
0.2490

■ 6.9613, 0.1748,
0.1477

■ 18.8540, 0.2519,
0.2683

■ 6.7741, 0.1736,
0.1448

■ 21.9576, 0.2683,
0.2863

■ 25.4221, 0.2844,
0.3027

■ 29.2602, 0.3001,
0.3177

■ 33.4839, 0.3150,
0.3310

■ 38.1046, 0.3291,
0.3429

■ 43.1331, 0.3423,
0.3534

Harmonies

Analogous

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



11.5689, 0.1776, 0.2269



11.5689, 0.2058, 0.2078



11.5689, 0.2625, 0.2152

Triad

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



11.5689, 0.2058, 0.2078



11.5689, 0.4688, 0.3487



11.5689, 0.2704, 0.4415

Complementary

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



11.5689, 0.2058, 0.2078



17.7041, 0.4566, 0.4182

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.



11.5689, 0.3469, 0.4790



11.5689, 0.2058, 0.2078



11.5689, 0.4651, 0.4077

Square

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



11.5689, 0.2058, 0.2078



11.5689, 0.4216, 0.2921



11.5689, 0.4183, 0.4589



11.5689, 0.2096, 0.3584

Rectangle

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



11.5689, 0.2058, 0.2078



11.5689, 0.3138, 0.2329



11.5689, 0.4183, 0.4589



11.5689, 0.2951, 0.4609

Sweetspot

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



11.5693, 0.2058, 0.2078



43.5870, 0.2796, 0.2980



25.1315, 0.2673, 0.4315



9.5040, 0.2755, 0.2938



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.



11.5693, 0.2058, 0.2078



16.0045, 0.1876, 0.1763



5.3049, 0.1865, 0.1170



6.4641, 0.2989, 0.3165



5.5142, 0.1740, 0.1463



0.1538, 0.1959, 0.2253

Inverse Universe

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



10.0276, 0.4283, 0.2560



14.9071, 0.4690, 0.2522



30.2954, 0.3998, 0.4820



6.2669, 0.3216, 0.3190



5.9620, 0.5108, 0.2587



0.0963, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 11.5689, 0.2058, 0.2078 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 11.5689, 0.2058, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

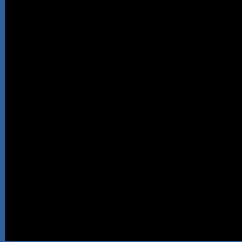
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5689, 0.2058, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 11.5689, 0.2058, 0.2078.



This preview shows how white text looks on a background with the Yxy color 11.5689, 0.2058, 0.2078.

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

11.5689, 0.2058, 0.2078

Protanopia

11.5122, 0.2237, 0.2089

Deuteranopia

11.6318, 0.2111, 0.2073



Tritanopia

11.4372, 0.2222, 0.3054

Trichromacy



Original Color

11.5689, 0.2058, 0.2078

Protanomaly

11.3953, 0.2159, 0.2073

Deuteranomaly

11.5445, 0.2091, 0.2067

Tritanomaly

11.3489, 0.2142, 0.2637

Monochromacy



Original Color

11.5689, 0.2058, 0.2078

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3024, 0.2601, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5689, 0.2058, 0.2078 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(49, 97, 155)` looks like.

```
.text, #text, p{  
    color:rgb(49, 97, 155)  
}
```

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(49, 97, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 97, 155) }
```

Border

The CSS property to change the border of an element to Yxy 11.5689, 0.2058, 0.2078 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(49, 97, 155) }
```

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

```
.border{ border-color:rgb(49, 97, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 97, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 97, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 97, 155);  
box-shadow:4px 4px 4px 4px rgb(49, 97,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5689, 0.2058, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 97, 155) }
```

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

```
.background{ background-color: rgb(49, 97,  
155) }
```

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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