

Converting Colors

$Y_{xy}(19.1103, 0.2143, 0.2346)$

Have a look what the booklet for
Yxy(19.1103, 0.2143, 0.2346)
contains.

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Color

Yxy(19.1602, 0.2144, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	3E7EB2
RGB	62, 126, 178
RGB Percent	24%, 49%, 70%
CMY	0.7570, 0.5058, 0.3020
CMYK	0.65, 0.29, 0.00, 0.30
HSL	207°, 48%, 47%
HSV	207°, 65%, 70%
XYZ	17.4806, 19.1602, 44.8919
YIQ	112.7920, -54.8360, 2.6040

Conversions

Conversions Part 2

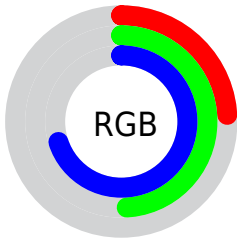
Format	Color
R _Y B	62, 103, 178
Decimal	4095666
CIE Lab	50.87, -3.91, -33.56
CIE LCh	51, 33.782, 263.358
Yxy	19.1602, 0.2144, 0.2350
Android (android.graphics.Color)	4282285746 (0xFF3E7EB2)
YUV	112.7920, 32.1475, -44.5446
Hunter-Lab	43.7724, -5.3171, -30.1658

Details

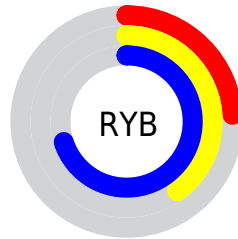
The Yxy color **19.1602, 0.2144, 0.2350** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.8340, 0.4630, 0.4006**, and the grayscale version is **16.3617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8463, 0.2352, 0.2546**, and **6.7884, 0.1896, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **16.7180, 0.2026, 0.2177**, and if you desaturate by 10%, it is **21.9547, 0.2278, 0.2520**.

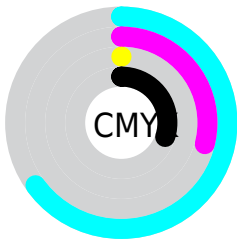
Distribution



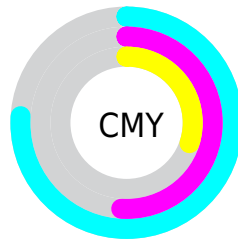
- Red (24%)
- Green (49%)
- Blue (70%)



- Red (24%)
- Yellow (40%)
- Blue (70%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (30%)



- Cyan (76%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1602, 0.2144, 0.2350 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 19.1602, 0.2144, 0.2350 by changing the saturation by 10% instead.

■ 19.1602, 0.2144,
0.2350

■ 19.1602, 0.2144,
0.2350

■ 247.3317, 0.2684,
0.2873

■ 11.7861, 0.1996,
0.2203

■ 42.0046, 0.2351,
0.2552

■ 6.5982, 0.1799,
0.2007

■ 58.2437, 0.2425,
0.2625

■ 3.2121, 0.1530,
0.1735

■ 78.2066, 0.2487,
0.2685

■ 1.2434, 0.1153,
0.1344

■ 102.2777, 0.2539,
0.2735

■ 0.0968, 0.0000,
0.0281

■ 130.8414, 0.2583,
0.2777

■ 0.0000, 0.0000,
0.0000

164.2820, 0.2621,

0.2814

202.9840, 0.2655,
0.2845

■ 19.1602, 0.2144,
0.2350

■ 19.1602, 0.2144,
0.2350

■ 16.7180, 0.2026,
0.2177

■ 21.9547, 0.2278,
0.2520

■ 14.6032, 0.1929,
0.2005

■ 25.1197, 0.2425,
0.2684

■ 12.7888, 0.1854,
0.1838

■ 28.6743, 0.2579,
0.2839

■ 11.9959, 0.1822,
0.1759

■ 32.6353, 0.2737,
0.2983

■ 37.0185, 0.2894,
0.3114

■ 41.8385, 0.3049,
0.3233

■ 47.1092, 0.3198,
0.3340

■ 52.8439, 0.3341,
0.3435

■ 59.0552, 0.3476,
0.3518

Harmonies

Analogous

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



19.1602, 0.2004, 0.2620



19.1602, 0.2144, 0.2350



19.1602, 0.2525, 0.2318

Triad

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



19.1602, 0.2144, 0.2350



19.1602, 0.4244, 0.3286



19.1602, 0.3048, 0.4313

Complementary

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



19.1602, 0.2144, 0.2350



21.8340, 0.4630, 0.4006

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.



19.1602, 0.3663, 0.4446



19.1602, 0.2144, 0.2350



19.1602, 0.4391, 0.3771

Square

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



19.1602, 0.2144, 0.2350



19.1602, 0.3751, 0.2836



19.1602, 0.4162, 0.4206



19.1602, 0.2486, 0.3791

Rectangle

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



19.1602, 0.2144, 0.2350



19.1602, 0.2894, 0.2414



19.1602, 0.4162, 0.4206



19.1602, 0.3256, 0.4406

Sweetspot

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



19.1609, 0.2144, 0.2350



62.9396, 0.2813, 0.3048



34.0359, 0.2751, 0.4493



13.4622, 0.2769, 0.3011



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.1609, 0.2144, 0.2350



28.6540, 0.1983, 0.2105



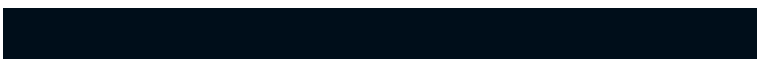
8.5796, 0.1908, 0.1343



8.9818, 0.2985, 0.3185



8.7111, 0.1827, 0.1777



0.3885, 0.1956, 0.2242

Inverse Universe

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



14.4118, 0.4006, 0.2421



21.7693, 0.4299, 0.2336



38.6573, 0.4076, 0.4683



8.5811, 0.3204, 0.3165



7.4195, 0.4713, 0.2370



0.2450, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 19.1602, 0.2144, 0.2350 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 19.1602, 0.2144, 0.2350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

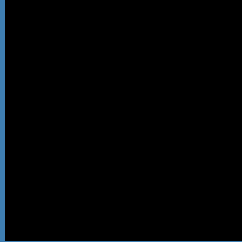
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1602, 0.2144, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 19.1602, 0.2144, 0.2350.

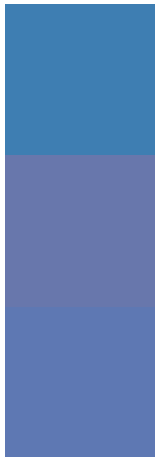


This preview shows how white text looks on a background with the Yxy color 19.1602, 0.2144, 0.2350.

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

19.1602, 0.2144, 0.2350

Protanopia

19.1153, 0.2452, 0.2373

Deuteranopia

19.0673, 0.2322, 0.2274



Tritanopia

19.2505, 0.2288, 0.3080

Trichromacy



Original Color

19.1602, 0.2144, 0.2350

Protanomaly

19.0989, 0.2324, 0.2371

Deuteranomaly

18.9676, 0.2241, 0.2289

Tritanomaly

19.0185, 0.2223, 0.2773

Monochromacy



Original Color

19.1602, 0.2144, 0.2350

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.1427, 0.2650, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1602, 0.2144, 0.2350 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(62, 126, 178)` looks like.

```
.text, #text, p{  
    color:rgb(62, 126, 178)  
}
```

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(62, 126, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 126, 178) }
```

Border

The CSS property to change the border of an element to Yxy 19.1602, 0.2144, 0.2350 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(62, 126, 178) }
```

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

```
.border{ border-color:rgb(62, 126, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 126, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 126, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 126, 178);  
box-shadow:4px 4px 4px 4px rgb(62, 126,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1602, 0.2144, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 126, 178) }
```

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

```
.background{ background-color: rgb(62, 126,  
178) }
```

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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