

Converting Colors

$Y_{xy}(19.8701, 0.2241, 0.2535)$

Have a look what the booklet for
Yxy(19.8701, 0.2241, 0.2535)
contains.

Yxy(19.8680, 0.2241, 0.2535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.8680, 0.2241, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	4581AA
RGB	69, 129, 170
RGB Percent	27%, 51%, 67%
CMY	0.7292, 0.4941, 0.3333
CMYK	0.59, 0.24, 0.00, 0.33
HSL	204°, 42%, 47%
HSV	204°, 59%, 67%
XYZ	17.5638, 19.8680, 40.9430
YIQ	115.7340, -48.9210, 0.0310

Conversions

Conversions Part 2

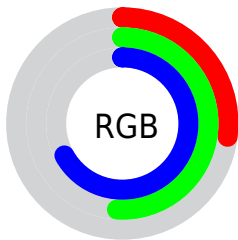
Format	Color
R _Y B	69, 107, 170
Decimal	4555178
CIE Lab	51.69, -6.96, -27.65
CIE LCh	52, 28.517, 255.866
Yxy	19.8680, 0.2241, 0.2535
Android (android.graphics.Color)	4282745258 (0xFF4581AA)
YUV	115.7340, 26.7531, -40.9857
Hunter-Lab	44.5735, -7.6674, -23.2593

Details

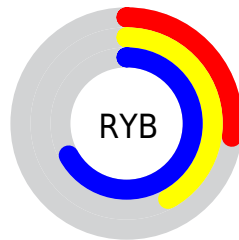
The Yxy color **19.8680, 0.2241, 0.2535** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.1461, 0.4496, 0.3897**, and the grayscale version is **17.3122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2521, 0.2430, 0.2711**, and **7.0453, 0.1957, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **17.5743, 0.2119, 0.2381**, and if you desaturate by 10%, it is **22.4643, 0.2377, 0.2685**.

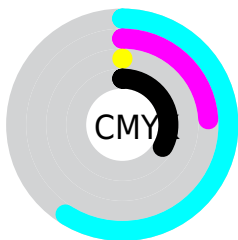
Distribution



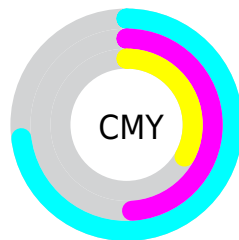
- Red (27%)
- Green (51%)
- Blue (67%)



- Red (27%)
- Yellow (42%)
- Blue (67%)



- Cyan (59%)
- Magenta (24%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8680, 0.2241, 0.2535 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 19.8680, 0.2241, 0.2535 by changing the saturation by 10% instead.

■ 19.8680, 0.2241,
0.2535

■ 19.8680, 0.2241,
0.2535

■ 251.1996, 0.2728,
0.2961

■ 12.2991, 0.2105,
0.2412

■ 43.1958, 0.2429,
0.2702

■ 6.9477, 0.1924,
0.2244

■ 59.7234, 0.2496,
0.2761

■ 3.4294, 0.1671,
0.2005

■ 80.0062, 0.2552,
0.2809

■ 1.3598, 0.1305,
0.1644

■ 104.4284, 0.2598,
0.2850

■ 0.1868, 0.0026,
0.0651

■ 133.3744, 0.2638,
0.2884

■ 0.0000, 0.0000,
0.0000

167.2287, 0.2672,

0.2913

206.3757, 0.2702,
0.2938

■ 19.8680, 0.2241,
0.2535

■ 19.8680, 0.2241,
0.2535

■ 17.5743, 0.2119,
0.2381

■ 22.4643, 0.2377,
0.2685

■ 15.5630, 0.2016,
0.2225

■ 25.3773, 0.2523,
0.2827

■ 13.8139, 0.1933,
0.2070

■ 28.6224, 0.2676,
0.2960

■ 12.2873, 0.1868,
0.1919

■ 32.2132, 0.2831,
0.3083

■ 12.1967, 0.1864,
0.1910

■ 36.1625, 0.2985,
0.3195

■ 40.4822, 0.3136,
0.3296

■ 45.1838, 0.3283,
0.3386

■ 50.2781, 0.3423,
0.3466

■ 55.7752, 0.3556,
0.3537

Harmonies

Analogous

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



19.8680, 0.2175, 0.2827



19.8680, 0.2241, 0.2535



19.8680, 0.2521, 0.2451

Triad

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



19.8680, 0.2241, 0.2535



19.8680, 0.3977, 0.3195



19.8680, 0.3202, 0.4190

Complementary

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



19.8680, 0.2241, 0.2535



20.1461, 0.4496, 0.3897

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.



19.8680, 0.3707, 0.4231



19.8680, 0.2241, 0.2535



19.8680, 0.4183, 0.3612

Square

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



19.8680, 0.2241, 0.2535



19.8680, 0.3520, 0.2823



19.8680, 0.4074, 0.3994



19.8680, 0.2701, 0.3831

Rectangle

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



19.8680, 0.2241, 0.2535



19.8680, 0.2811, 0.2503



19.8680, 0.4074, 0.3994



19.8680, 0.3377, 0.4241

Sweetspot

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



19.8687, 0.2241, 0.2535



59.1630, 0.2847, 0.3095



31.1336, 0.2790, 0.4427



12.7618, 0.2803, 0.3062



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.8687, 0.2241, 0.2535



30.7699, 0.2087, 0.2335



9.7848, 0.2034, 0.1589



8.0131, 0.2987, 0.3196



9.0827, 0.1868, 0.1926



0.3176, 0.2008, 0.2427

Inverse Universe

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



14.3957, 0.3816, 0.2423



21.6743, 0.4043, 0.2300



34.0890, 0.4032, 0.4550



7.6142, 0.3197, 0.3157



6.9880, 0.4537, 0.2273



0.1798, 0.3995, 0.1975

Previews

White Background



This preview shows how the Yxy color 19.8680, 0.2241, 0.2535 looks on a white background.

Color Contrast Check

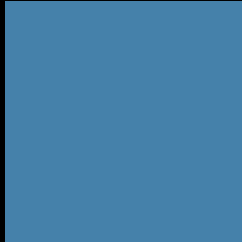
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8680, 0.2241, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

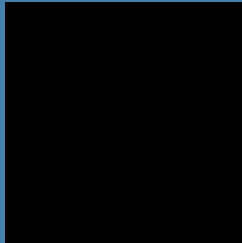
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

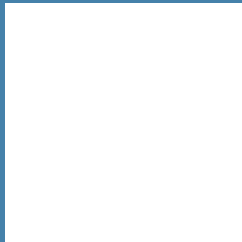
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8680, 0.2241, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 19.8680, 0.2241, 0.2535.

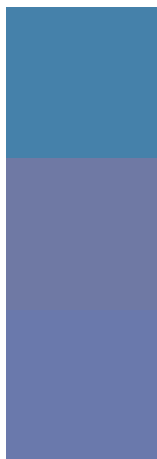


This preview shows how white text looks on a background with the Yxy color 19.8680, 0.2241, 0.2535.

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

19.8680, 0.2241, 0.2535

Protanopia

19.7346, 0.2586, 0.2540

Deuteranopia

19.7175, 0.2475, 0.2413



Tritanopia

19.9634, 0.2365, 0.3086

Trichromacy



Original Color

19.8680, 0.2241, 0.2535

Protanomaly

19.6553, 0.2442, 0.2538

Deuteranomaly

19.6827, 0.2382, 0.2458

Tritanomaly

19.8266, 0.2319, 0.2876

Monochromacy



Original Color

19.8680, 0.2241, 0.2535

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.1050, 0.2717, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8680, 0.2241, 0.2535 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(69, 129, 170)` looks like.

```
.text, #text, p{  
    color:rgb(69, 129, 170)  
}
```

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(69, 129, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 129, 170) }
```

Border

The CSS property to change the border of an element to Yxy 19.8680, 0.2241, 0.2535 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(69, 129, 170) }
```

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

```
.border{ border-color:rgb(69, 129, 170) }
```

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

Here you see how a box with a 4 pixel rgb(69, 129, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 129, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 129, 170);  
box-shadow:4px 4px 4px 4px rgb(69, 129,  
170) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 19.8680, 0.2241, 0.2535$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 129, 170) }
```

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

```
.background{ background-color: rgb(69, 129,  
170) }
```

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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