

Converting Colors

$Y_{xy}(19.9796, 0.3277, 0.5780)$

Have a look what the booklet for
Yxy(19.9796, 0.3277, 0.5780)
contains.

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Color

Yxy(19.9796, 0.3277, 0.5780)

Conversions

Conversions Part 1

Format	Color
Hex	3B8D00
RGB	59, 141, 0
RGB Percent	23%, 55%, 0%
CMY	0.7687, 0.4470, 0.9999
CMYK	0.58, 0.00, 1.00, 0.45
HSL	95°, 100%, 28%
HSV	95°, 100%, 55%
XYZ	11.3275, 19.9796, 3.2596
YIQ	100.4080, -3.6110, -61.2350

Conversions

Conversions Part 2

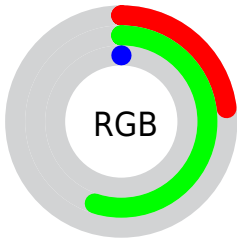
Format	Color
RYB	0, 141, 82
Decimal	3902720
CIELab	51.81, -46.25, 54.82
CIElCh	52, 71.721, 130.151
Yxy	19.9796, 0.3277, 0.5780
Android (android.graphics.Color)	4282092800 (0xFF3B8D00)
YUV	100.4080, -49.5011, -36.3148
Hunter-Lab	44.6985, -32.9869, 26.9653

Details

The Yxy color **19.9796, 0.3277, 0.5780** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.7196, 0.2212, 0.0992**, and the grayscale version is **12.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1485, 0.3339, 0.5195**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.9801, 0.3277, 0.5780**, and if you desaturate by 10%, it is **20.2830, 0.3322, 0.5646**.

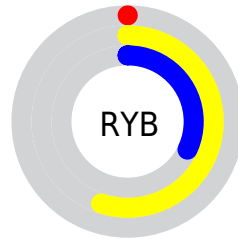
Distribution



Red (23%)

Green (55%)

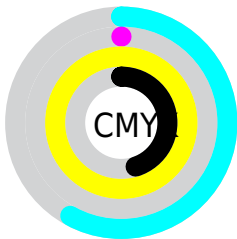
Blue (0%)



Red (0%)

Yellow (55%)

Blue (32%)

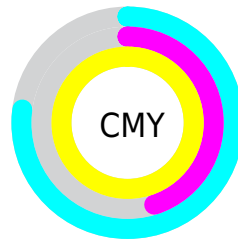


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (77%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9796, 0.3277, 0.5780 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 19.9796, 0.3277, 0.5780 by changing the saturation by 10% instead.

■ 19.9796, 0.3277,
0.5780

■ 19.9796, 0.3277,
0.5780

■ 251.8047, 0.3311,
0.4303

■ 12.3802, 0.3184,
0.6201

■ 43.3830, 0.3339,
0.5193

■ 7.0032, 0.3072,
0.6926

■ 59.9558, 0.3345,
0.4986

■ 3.4641, 0.2589,
0.7411

■ 80.2885, 0.3344,
0.4818

■ 1.3786, 0.0765,
0.9235

■ 104.7655, 0.3339,
0.4678


■ 0.2008, 0.0000,
1.0000


■ 133.7712, 0.3333,
0.4561


■ 0.0000, 0.0000,
0.0000


■ 167.6901, 0.3326,


0.4462


 206.9064, 0.3318,
0.4377

 19.9796, 0.3277,
0.5780


 19.9796, 0.3277,
0.5780

 19.9801, 0.3277,
0.5780

 20.2830, 0.3322,
0.5646

 20.6476, 0.3356,
0.5470

 21.0867, 0.3373,
0.5241

 21.6056, 0.3371,
0.4973

 22.2092, 0.3352,
0.4681

■ 22.9019, 0.3320,
0.4380

■ 23.6876, 0.3279,
0.4083

■ 24.5701, 0.3231,
0.3799

■ 25.5529, 0.3180,
0.3533

Harmonies

Analogous

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



19.9796, 0.4381, 0.5263



19.9796, 0.3277, 0.5780



19.9796, 0.2193, 0.5069

Triad

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



19.9796, 0.3277, 0.5780



19.9796, 0.1220, 0.1666



19.9796, 0.5065, 0.2784

Complementary

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



19.9796, 0.3277, 0.5780



3.7196, 0.2212, 0.0992

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.



19.9796, 0.3776, 0.2131



19.9796, 0.3277, 0.5780



19.9796, 0.1642, 0.1522

Square

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



19.9796, 0.3277, 0.5780



19.9796, 0.1141, 0.2238



19.9796, 0.2491, 0.1687



19.9796, 0.5620, 0.3531

Rectangle

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



19.9796, 0.3277, 0.5780



19.9796, 0.1632, 0.3996



19.9796, 0.2491, 0.1687



19.9796, 0.4684, 0.2551

Sweetspot

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



19.9805, 0.3277, 0.5780



42.3197, 0.3282, 0.4102



11.3875, 0.5186, 0.4264



9.3327, 0.3298, 0.4211



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.9805, 0.3277, 0.5780



35.6836, 0.3262, 0.5792



19.0721, 0.2984, 0.5942



6.1327, 0.3175, 0.3513



18.2256, 0.3280, 0.5778



0.1867, 0.3627, 0.5502

Inverse Universe

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



3.7196, 0.2212, 0.0992



6.5587, 0.2192, 0.0981



7.3188, 0.3380, 0.1636



5.4002, 0.3075, 0.3069



3.4001, 0.2215, 0.0994



0.0455, 0.2664, 0.1241

Previews

White Background



This preview shows how the Yxy color 19.9796, 0.3277, 0.5780 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 19.9796, 0.3277, 0.5780 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 19.9796, 0.3277, 0.5780

Background



This preview shows how black text looks on a background with the Yxy color 19.9796, 0.3277, 0.5780.



This preview shows how white text looks on a background with the Yxy color 19.9796, 0.3277, 0.5780.

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

19.9796, 0.3277, 0.5780

Protanopia

19.6549, 0.4406, 0.4884

Deuteranopia

19.7799, 0.4589, 0.4516



Tritanopia

19.9349, 0.2526, 0.3072

Trichromacy



Original Color

19.9796, 0.3277, 0.5780

Protanomaly

19.2803, 0.3932, 0.5260

Deuteranomaly

18.9585, 0.4063, 0.5029

Tritanomaly

19.4826, 0.2915, 0.4284

Monochromacy



Original Color

19.9796, 0.3277, 0.5780

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.5629, 0.3328, 0.4487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9796, 0.3277, 0.5780 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(59, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 141, 0)  
}
```

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(59, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.9796, 0.3277, 0.5780 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(59, 141, 0) }
```

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

```
.border{ border-color:rgb(59, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 141, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.9796, 0.3277, 0.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 141, 0) }
```

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

```
.background{ background-color: rgb(59, 141,  
0) }
```

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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