

Converting Colors

$Y_{xy}(20.0022, 0.3007, 0.5862)$

Have a look what the booklet for
Yxy(20.0022, 0.3007, 0.5862)
contains.

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Color

$Y_{xy}(20.1062, 0.3006, 0.5865)$

Conversions

Conversions Part 1

Format	Color
Hex	119011
RGB	17, 144, 17
RGB Percent	7%, 56%, 7%
CMY	0.9336, 0.4353, 0.9331
CMYK	0.88, 0.00, 0.88, 0.44
HSL	120°, 79%, 32%
HSV	120°, 88%, 56%
XYZ	10.3051, 20.1062, 3.8704
YIQ	91.5490, -34.9250, -66.4210

Conversions

Conversions Part 2

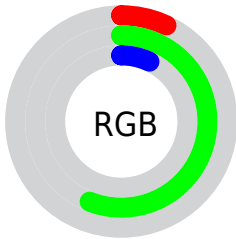
Format	Color
R_{YB}	17, 144, 144
Decimal	1150993
CIE _{Lab}	51.96, -54.50, 51.41
CIE _{LCh}	52, 74.919, 136.672
Yxy	20.1062, 0.3006, 0.5865
Android (android.graphics.Color)	4279341073 (0xFF119011)
YUV	91.5490, -36.7527, -65.3795
Hunter-Lab	44.8399, -37.4472, 26.2703

Details

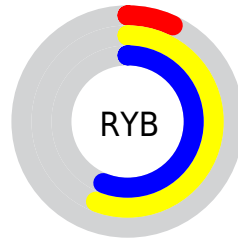
The Yxy color **20.1062, 0.3006, 0.5865** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.3381, 0.3209, 0.1600**, and the grayscale version is **10.6827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5790, 0.3123, 0.5233**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.9700, 0.3001, 0.5980**, and if you desaturate by 10%, it is **20.3456, 0.3015, 0.5678**.

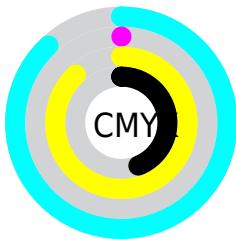
Distribution



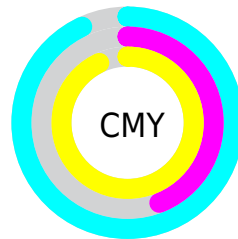
- Red (7%)
- Green (56%)
- Blue (7%)



- Red (7%)
- Yellow (56%)
- Blue (56%)



- Cyan (88%)
- Magenta (0%)
- Yellow (88%)
- Black (44%)





- Cyan (93%)
- Magenta (44%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1062, 0.3006, 0.5865 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 20.1062, 0.3006, 0.5865 by changing the saturation by 10% instead.


 20.1062, 0.3006,
0.5865


 20.1062, 0.3006,
0.5865


252.4895, 0.3188,
0.4308


 12.4723, 0.2877,
0.6334


 43.5952, 0.3122,
0.5232

 7.0662, 0.2680,
0.7062


 60.2190, 0.3148,
0.5014


 3.5035, 0.2199,
0.7801

 80.6082, 0.3164,
0.4838

 1.3999, 0.0000,
1.0000

 105.1473, 0.3175,
0.4693

 0.2167, 0.0000,
1.0000


 134.2205, 0.3181,
0.4573


 0.0000, 0.0000,
0.0000

 168.2124, 0.3185,

0.4471


 207.5072, 0.3187,
0.4383

 20.1062, 0.3006,
0.5865

 20.1062, 0.3006,
0.5865

 19.9700, 0.3001,
0.5980

 20.3456, 0.3015,
0.5678

 19.9482, 0.3000,
0.5999

 20.7184, 0.3027,
0.5416

 21.2412, 0.3042,
0.5100

 21.9275, 0.3058,
0.4757

 22.7895, 0.3074,
0.4409

■ 23.8380, 0.3090,
0.4076

■ 25.0832, 0.3104,
0.3768

■ 26.5342, 0.3118,
0.3492

■ 28.2000, 0.3129,
0.3250

Harmonies

Analogous

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



20.1062, 0.4156, 0.5496



20.1062, 0.3006, 0.5865



20.1062, 0.1939, 0.4813

Triad

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



20.1062, 0.3006, 0.5865



20.1062, 0.1230, 0.1553



20.1062, 0.5352, 0.2918

Complementary

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



20.1062, 0.3006, 0.5865



8.3381, 0.3209, 0.1600

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.



20.1062, 0.4118, 0.2224



20.1062, 0.3006, 0.5865



20.1062, 0.1744, 0.1483

Square

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



20.1062, 0.3006, 0.5865



20.1062, 0.1075, 0.2017



20.1062, 0.2721, 0.1716



20.1062, 0.5696, 0.3689

Rectangle

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



20.1062, 0.3006, 0.5865



20.1062, 0.1438, 0.3644



20.1062, 0.2721, 0.1716



20.1062, 0.5014, 0.2675

Sweetspot

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



20.1070, 0.3006, 0.5865



42.3923, 0.3092, 0.4021



25.9178, 0.4158, 0.4995



9.5783, 0.3088, 0.4120



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.1070, 0.3006, 0.5865



35.1815, 0.3000, 0.5999



20.6525, 0.2690, 0.4762



6.0295, 0.3116, 0.3517



17.3701, 0.3000, 0.5999



0.1661, 0.2998, 0.5994

Inverse Universe

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



8.3381, 0.3209, 0.1600



14.0012, 0.3212, 0.1543



6.9146, 0.4636, 0.2434



5.5109, 0.3137, 0.3073



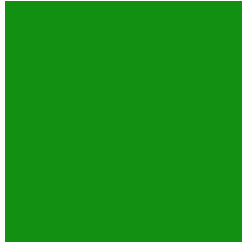
6.9129, 0.3212, 0.1543



0.0661, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.1062, 0.3006, 0.5865 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 20.1062, 0.3006, 0.5865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

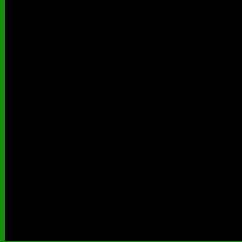
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1062, 0.3006, 0.5865

Background



This preview shows how black text looks on a background with the Yxy color 20.1062, 0.3006, 0.5865.



This preview shows how white text looks on a background with the Yxy color 20.1062, 0.3006, 0.5865.

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

20.1062, 0.3006, 0.5865

Protanopia

19.6746, 0.4382, 0.4849

Deuteranopia

19.8125, 0.4551, 0.4468



Tritanopia

20.1187, 0.2382, 0.3067

Trichromacy



Original Color

20.1062, 0.3006, 0.5865



Protanomaly

18.6920, 0.3700, 0.5361



Deuteranomaly

18.2658, 0.3806, 0.5103



Tritanomaly

19.6396, 0.2657, 0.4201

Monochromacy



Original Color

20.1062, 0.3006, 0.5865



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.8744, 0.3071, 0.4484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1062, 0.3006, 0.5865 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(17, 144, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 144, 17)  
}
```

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(17, 144, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 144, 17) }
```

Border

The CSS property to change the border of an element to Yxy 20.1062, 0.3006, 0.5865 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(17, 144, 17) }
```

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

```
.border{ border-color:rgb(17, 144, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 144, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 144, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 144, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 144,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1062, 0.3006, 0.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 144, 17) }
```

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

```
.background{ background-color: rgb(17, 144,  
17) }
```

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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