

Converting Colors

$Y_{xy}(21.0462, 0.3183, 0.5847)$

Have a look what the booklet for
Yxy(21.0462, 0.3183, 0.5847)
contains.

Yxy(20.9060, 0.3187, 0.5845)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.9060, 0.3187, 0.5845)$

Conversions

Conversions Part 1

Format	Color
Hex	319101
RGB	49, 145, 1
RGB Percent	19%, 57%, 0%
CMY	0.8077, 0.4314, 0.9962
CMYK	0.66, 0.00, 0.99, 0.43
HSL	100°, 99%, 29%
HSV	100°, 99%, 57%
XYZ	11.3990, 20.9060, 3.4623
YIQ	99.8800, -10.9920, -65.1360

Conversions

Conversions Part 2

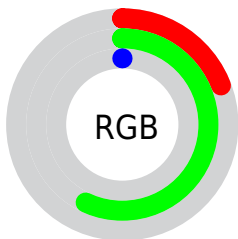
Format	Color
RYB	1, 145, 97
Decimal	3248385
CIELab	52.85, -50.18, 55.34
CIELCh	53, 74.701, 132.200
Yxy	20.9060, 0.3187, 0.5845
Android (android.graphics.Color)	4281438465 (0xFF319101)
YUV	99.8800, -48.7478, -44.6218
Hunter-Lab	45.7231, -35.5142, 27.5166

Details

The Yxy color **20.9060, 0.3187, 0.5845** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.6033, 0.2403, 0.1101**, and the grayscale version is **12.8436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9894, 0.3265, 0.5240**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.8886, 0.3184, 0.5854**, and if you desaturate by 10%, it is **21.2074, 0.3231, 0.5710**.

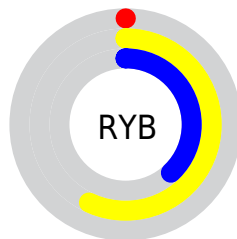
Distribution



Red (19%)

Green (57%)

Blue (0%)



Red (0%)

Yellow (57%)

Blue (38%)

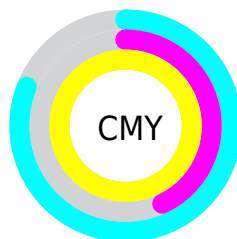


Cyan (66%)

Magenta (0%)

Yellow (99%)

Black (43%)



Cyan (81%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9060, 0.3187, 0.5845 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 20.9060, 0.3187, 0.5845 by changing the saturation by 10% instead.


 20.9060, 0.3187,
0.5845


 20.9060, 0.3187,
0.5845


256.7785, 0.3275,
0.4330


 13.0553, 0.3080,
0.6278


 44.9310, 0.3270,
0.5243

 7.4666, 0.2933,
0.6983


 61.8742, 0.3283,
0.5030


 3.7556, 0.2461,
0.7539

 82.6169, 0.3288,
0.4857

 1.5378, 0.0762,
0.9238

 107.5437, 0.3289,
0.4715


 0.3151, 0.0000,
1.0000


 137.0388, 0.3287,
0.4595


 0.0000, 0.0000,
0.0000


 171.4867, 0.3284,


0.4493

 211.2718, 0.3280,
0.4406


 20.9060, 0.3187,
0.5845

 20.9060, 0.3187,
0.5845


 20.8886, 0.3184,
0.5854

 21.2074, 0.3231,
0.5710

 21.5864, 0.3268,
0.5524

 22.0570, 0.3289,
0.5283

 22.6257, 0.3295,
0.5000

 23.2986, 0.3286,
0.4694

■ 24.0813, 0.3266,
0.4381

■ 24.9786, 0.3237,
0.4076

■ 25.9953, 0.3202,
0.3786

■ 27.1359, 0.3164,
0.3518

Harmonies

Analogous

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



20.9060, 0.4317, 0.5351



20.9060, 0.3187, 0.5845



20.9060, 0.2098, 0.5022

Triad

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



20.9060, 0.3187, 0.5845



20.9060, 0.1206, 0.1613



20.9060, 0.5182, 0.2818

Complementary

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



20.9060, 0.3187, 0.5845



4.6033, 0.2403, 0.1101

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.



20.9060, 0.3889, 0.2147



20.9060, 0.3187, 0.5845



20.9060, 0.1658, 0.1493

Square

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



20.9060, 0.3187, 0.5845



20.9060, 0.1101, 0.2152



20.9060, 0.2552, 0.1680



20.9060, 0.5676, 0.3575

Rectangle

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



20.9060, 0.3187, 0.5845



20.9060, 0.1552, 0.3894



20.9060, 0.2552, 0.1680



20.9060, 0.4808, 0.2581

Sweetspot

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



20.9069, 0.3187, 0.5845



44.5124, 0.3241, 0.4115



14.1330, 0.4949, 0.4445



9.7651, 0.3253, 0.4228



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.



20.9069, 0.3187, 0.5845



37.3223, 0.3171, 0.5864



20.3171, 0.2959, 0.5843



6.1114, 0.3163, 0.3514



17.9301, 0.3188, 0.5850



0.1825, 0.3520, 0.5587

Inverse Universe

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



4.6033, 0.2403, 0.1101



8.0756, 0.2381, 0.1086



7.4810, 0.3616, 0.1770



5.4221, 0.3088, 0.3070



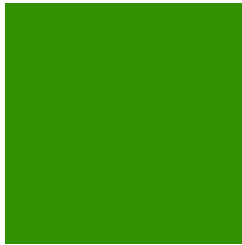
3.9293, 0.2402, 0.1097



0.0497, 0.2789, 0.1310

Previews

White Background



This preview shows how the Yxy color 20.9060, 0.3187, 0.5845 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 20.9060, 0.3187, 0.5845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

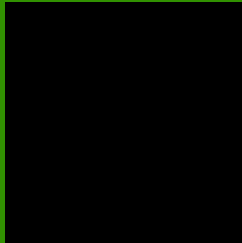
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9060, 0.3187, 0.5845

Background



This preview shows how black text looks on a background with the Yxy color 20.9060, 0.3187, 0.5845.



This preview shows how white text looks on a background with the Yxy color 20.9060, 0.3187, 0.5845.

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

20.9060, 0.3187, 0.5845

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.5617, 0.4586, 0.4502



Tritanopia

20.9398, 0.2471, 0.3074

Trichromacy



Original Color

20.9060, 0.3187, 0.5845

Protanomaly

19.9632, 0.3873, 0.5306

Deuteranomaly

19.3404, 0.4005, 0.5057

Tritanomaly

20.4138, 0.2835, 0.4302

Monochromacy



Original Color

20.9060, 0.3187, 0.5845

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.6103, 0.3272, 0.4525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9060, 0.3187, 0.5845 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, 145, 1)` looks like.

```
.text, #text, p{  
  color:rgb(49, 145, 1)  
}
```

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, 145, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 145, 1) }
```

Border

The CSS property to change the border of an element to Yxy 20.9060, 0.3187, 0.5845 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, 145, 1) }
```

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

```
.border{ border-color:rgb(49, 145, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 145, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 145, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 145, 1);  
box-shadow:4px 4px 4px 4px rgb(49, 145, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9060, 0.3187, 0.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 145, 1) }
```

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

```
.background{ background-color: rgb(49, 145,  
1) }
```

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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