

Converting Colors

$Y_{xy}(20.6893, 0.3153, 0.5879)$

Have a look what the booklet for
Yxy(20.6893, 0.3153, 0.5879)
contains.

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Color

Yxy(20.7644, 0.3150, 0.5881)

Conversions

Conversions Part 1

Format	Color
Hex	2B9100
RGB	43, 145, 0
RGB Percent	17%, 57%, 0%
CMY	0.8313, 0.4314, 1.0000
CMYK	0.70, 0.00, 1.00, 0.43
HSL	102°, 100%, 28%
HSV	102°, 100%, 57%
XYZ	11.1219, 20.7644, 3.4213
YIQ	97.9720, -14.2470, -66.7190

Conversions

Conversions Part 2

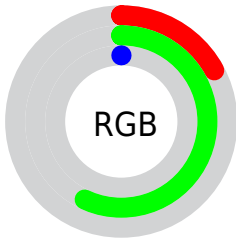
Format	Color
RYB	0, 145, 102
Decimal	2855168
CIELab	52.69, -51.52, 55.32
CIElCh	53, 75.597, 132.963
Yxy	20.7644, 0.3150, 0.5881
Android (android.graphics.Color)	4281045248 (0xFF2B9100)
YUV	97.9720, -48.3002, -48.2104
Hunter-Lab	45.5680, -36.1770, 27.4460

Details

The Yxy color **20.7644, 0.3150, 0.5881** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.8688, 0.2484, 0.1142**, and the grayscale version is **12.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7292, 0.3242, 0.5268**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.7653, 0.3150, 0.5881**, and if you desaturate by 10%, it is **21.0471, 0.3192, 0.5748**.

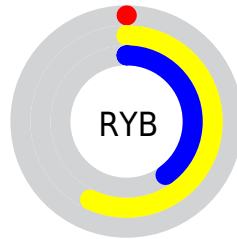
Distribution



Red (17%)

Green (57%)

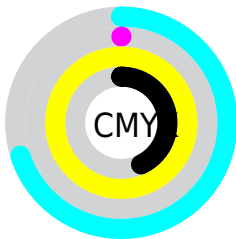
Blue (0%)



Red (0%)

Yellow (57%)

Blue (40%)

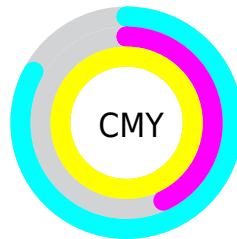


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (83%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7644, 0.3150, 0.5881 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 20.7644, 0.3150, 0.5881 by changing the saturation by 10% instead.


 20.7644, 0.3150,
0.5881


 20.7644, 0.3150,
0.5881


256.0238, 0.3261,
0.4340


 12.9519, 0.3035,
0.6323


 44.6951, 0.3242,
0.5267


 7.3954, 0.2879,
0.7052


 61.5821, 0.3259,
0.5051

 3.7106, 0.2388,
0.7612

 82.2627, 0.3267,
0.4875

 1.5130, 0.0488,
0.9512

 107.1213, 0.3270,
0.4730

 0.2979, 0.0000,
1.0000

 136.5423, 0.3269,
0.4608

 0.0000, 0.0000,
0.0000


 170.9101, 0.3267,

0.4505


 210.6091, 0.3265,
0.4416


 20.7644, 0.3150,
0.5881


 20.7644, 0.3150,
0.5881


 20.7653, 0.3150,
0.5881

 21.0471, 0.3192,
0.5748

 21.4104, 0.3229,
0.5565

 21.8699, 0.3253,
0.5323

 22.4329, 0.3263,
0.5038

 23.1059, 0.3259,
0.4728

■ 23.8950, 0.3245,
0.4411

■ 24.8055, 0.3222,
0.4100

■ 25.8427, 0.3193,
0.3807

■ 27.0113, 0.3161,
0.3536

Harmonies

Analogous

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



20.7644, 0.4293, 0.5391



20.7644, 0.3150, 0.5881



20.7644, 0.2057, 0.5011

Triad

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



20.7644, 0.3150, 0.5881



20.7644, 0.1195, 0.1587



20.7644, 0.5235, 0.2828

Complementary

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



20.7644, 0.3150, 0.5881



4.8688, 0.2484, 0.1142

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.



20.7644, 0.3935, 0.2150



20.7644, 0.3150, 0.5881



20.7644, 0.1659, 0.1477

Square

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



20.7644, 0.3150, 0.5881



20.7644, 0.1081, 0.2115



20.7644, 0.2573, 0.1673



20.7644, 0.5705, 0.3590

Rectangle

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



20.7644, 0.3150, 0.5881



20.7644, 0.1516, 0.3856



20.7644, 0.2573, 0.1673



20.7644, 0.4863, 0.2589

Sweetspot

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



20.7653, 0.3150, 0.5881



44.3131, 0.3223, 0.4119



15.4250, 0.4829, 0.4548



9.7173, 0.3233, 0.4234



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.



20.7653, 0.3150, 0.5881



37.1062, 0.3137, 0.5891



20.3402, 0.2937, 0.5773



6.1021, 0.3158, 0.3514



17.8227, 0.3154, 0.5878



0.1807, 0.3470, 0.5627

Inverse Universe

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



4.8688, 0.2484, 0.1142



8.6257, 0.2470, 0.1134



7.2809, 0.3778, 0.1855



5.4318, 0.3093, 0.3070



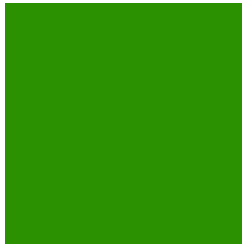
4.1898, 0.2489, 0.1145



0.0515, 0.2841, 0.1339

Previews

White Background



This preview shows how the Yxy color 20.7644, 0.3150, 0.5881 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 20.7644, 0.3150, 0.5881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

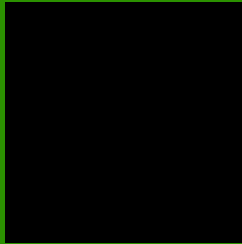
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7644, 0.3150, 0.5881

Background



This preview shows how black text looks on a background with the Yxy color 20.7644, 0.3150, 0.5881.



This preview shows how white text looks on a background with the Yxy color 20.7644, 0.3150, 0.5881.

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

20.7644, 0.3150, 0.5881

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.4607, 0.4574, 0.4511



Tritanopia

20.7810, 0.2443, 0.3072

Trichromacy



Original Color

20.7644, 0.3150, 0.5881

Protanomaly

19.5058, 0.3846, 0.5329

Deuteranomaly

19.2019, 0.3978, 0.5077

Tritanomaly

20.2477, 0.2797, 0.4312

Monochromacy



Original Color

20.7644, 0.3150, 0.5881

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

14.2290, 0.3257, 0.4569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7644, 0.3150, 0.5881 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(43, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 145, 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(43, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7644, 0.3150, 0.5881 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(43, 145, 0) }
```

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

```
.border{ border-color:rgb(43, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 145, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7644, 0.3150, 0.5881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 145, 0) }
```

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

```
.background{ background-color: rgb(43, 145,  
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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