

Converting Colors

$Y_{xy}(20.6932, 0.2788, 0.5237)$

Have a look what the booklet for
Yxy(20.6932, 0.2788, 0.5237)
contains.

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Color

$\text{Yxy}(20.5877, 0.2786, 0.5230)$

Conversions

Conversions Part 1

Format	Color
Hex	00913D
RGB	0, 145, 61
RGB Percent	0%, 57%, 24%
CMY	1.0000, 0.4314, 0.7608
CMYK	1.00, 0.00, 0.58, 0.43
HSL	145°, 100%, 28%
HSV	145°, 100%, 57%
XYZ	10.9670, 20.5877, 7.8099
YIQ	92.0690, -59.4560, -56.8640

Conversions

Conversions Part 2

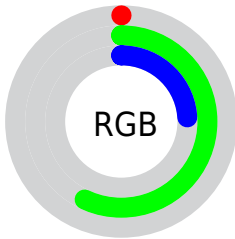
Format	Color
RYB	0, 102, 145
Decimal	37181
CIELab	52.50, -51.82, 35.00
CIELCh	52, 62.531, 145.967
Yxy	20.5877, 0.2786, 0.5230
Android (android.graphics.Color)	4278227261 (0xFF00913D)
YUV	92.0690, -15.3170, -80.7445
Hunter-Lab	45.3737, -36.2598, 21.5563

Details

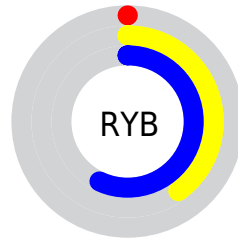
The Yxy color **20.5877, 0.2786, 0.5230** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.6603, 0.4592, 0.2304**, and the grayscale version is **10.7659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3411, 0.2901, 0.4733**, and **7.8529, 0.2955, 0.5838** is the 20% darker color. If you saturate the color by 10%, you get **20.5889, 0.2786, 0.5230**, and if you desaturate by 10%, it is **20.7841, 0.2761, 0.5033**.

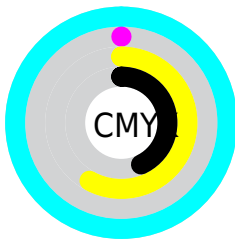
Distribution



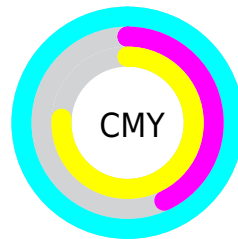
- Red (0%)
- Green (57%)
- Blue (24%)



- Red (0%)
- Yellow (40%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (43%)




- Cyan (100%)
- Magenta (43%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5877, 0.2786, 0.5230 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 20.5877, 0.2786, 0.5230 by changing the saturation by 10% instead.


 20.5877, 0.2786,
0.5230


 20.5877, 0.2786,
0.5230


255.0792, 0.3035,
0.4045


 12.8230, 0.2678,
0.5619


 44.4003, 0.2905,
0.4736


 7.3068, 0.2498,
0.6179


 61.2170, 0.2940,
0.4570


 3.6547, 0.2237,
0.7238

 81.8198, 0.2966,
0.4438

 1.4823, 0.0325,
0.9675

 106.5931, 0.2986,
0.4331

 0.2762, 0.0000,
1.0000

 135.9213, 0.3002,
0.4241

 0.0000, 0.0000,
0.0000

 170.1888, 0.3015,

0.4166

209.7799, 0.3026,
0.4101

■ 20.5877, 0.2786,
0.5230

■ 20.5877, 0.2786,
0.5230

■ 20.5889, 0.2786,
0.5230

■ 20.7841, 0.2761,
0.5033

■ 21.0604, 0.2748,
0.4823

■ 21.4516, 0.2754,
0.4604

■ 21.9706, 0.2777,
0.4383

■ 22.6284, 0.2814,
0.4167

■ 23.4350, 0.2864,
0.3961

■ 24.3991, 0.2923,
0.3769

■ 25.5291, 0.2988,
0.3592

■ 26.8326, 0.3057,
0.3433

Harmonies

Analogous

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



20.5877, 0.3803, 0.5358



20.5877, 0.2786, 0.5230



20.5877, 0.1913, 0.4102

Triad

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



20.5877, 0.2786, 0.5230



20.5877, 0.1568, 0.1726



20.5877, 0.5177, 0.3229

Complementary

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



20.5877, 0.2786, 0.5230



6.6603, 0.4592, 0.2304

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.



20.5877, 0.4326, 0.2561



20.5877, 0.2786, 0.5230



20.5877, 0.2160, 0.1742

Square

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



20.5877, 0.2786, 0.5230



20.5877, 0.1330, 0.2043



20.5877, 0.3141, 0.2034



20.5877, 0.5273, 0.3964

Rectangle

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



20.5877, 0.2786, 0.5230



20.5877, 0.1540, 0.3208



20.5877, 0.3141, 0.2034



20.5877, 0.4968, 0.2997

Sweetspot

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



20.5889, 0.2786, 0.5230



43.5761, 0.2919, 0.3780



22.1640, 0.3498, 0.5604



9.5440, 0.2897, 0.3851



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.



20.5889, 0.2786, 0.5230



36.8363, 0.2796, 0.5267



21.9433, 0.2318, 0.3543



6.0647, 0.3063, 0.3420



17.6638, 0.2783, 0.5219



0.1731, 0.2553, 0.4391

Inverse Universe

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



6.6603, 0.4592, 0.2304



11.8916, 0.4628, 0.2323



6.0469, 0.6284, 0.3235



5.4732, 0.3197, 0.3163



5.7177, 0.4582, 0.2298



0.0591, 0.3854, 0.1897

Previews

White Background



This preview shows how the Yxy color 20.5877, 0.2786, 0.5230 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 20.5877, 0.2786, 0.5230 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 20.5877, 0.2786, 0.5230

Background



This preview shows how black text looks on a background with the Yxy color 20.5877, 0.2786, 0.5230.



This preview shows how white text looks on a background with the Yxy color 20.5877, 0.2786, 0.5230.

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

20.5877, 0.2786, 0.5230

Protanopia

20.4320, 0.4088, 0.4473

Deuteranopia

20.2864, 0.4187, 0.4125



Tritanopia

20.5848, 0.2349, 0.3068

Trichromacy



Original Color

20.5877, 0.2786, 0.5230



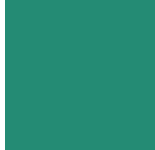
Protanomaly

18.8726, 0.3362, 0.4875



Deuteranomaly

18.3614, 0.3418, 0.4614



Tritanomaly

20.1013, 0.2478, 0.3798

Monochromacy



Original Color

20.5877, 0.2786, 0.5230



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.8928, 0.2834, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5877, 0.2786, 0.5230 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(0, 145, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 61)  
}
```

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(0, 145, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 61) }
```

Border

The CSS property to change the border of an element to Yxy 20.5877, 0.2786, 0.5230 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(0, 145, 61) }
```

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

```
.border{ border-color:rgb(0, 145, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 145, 61)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5877, 0.2786, 0.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 61) }
```

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

```
.background{ background-color: rgb(0, 145,  
61) }
```

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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