

Converting Colors

$Y_{xy}(20.6622, 0.2900, 0.5422)$

Have a look what the booklet for
Yxy(20.6622, 0.2900, 0.5422)
contains.

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Color

Yxy(20.6632, 0.2898, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	179132
RGB	23, 145, 50
RGB Percent	9%, 57%, 20%
CMY	0.9102, 0.4313, 0.8039
CMYK	0.84, 0.00, 0.66, 0.43
HSL	133°, 73%, 33%
HSV	133°, 84%, 57%
XYZ	11.0524, 20.6632, 6.4224
YIQ	97.6920, -42.2170, -55.4090

Conversions

Conversions Part 2

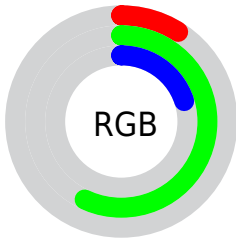
Format	Color
R_{YB}	23, 123, 145
Decimal	1544498
CIE _{Lab}	52.58, -51.55, 40.39
CIE _{LCh}	53, 65.486, 141.924
Yxy	20.6632, 0.2898, 0.5418
Android (android.graphics.Color)	4279734578 (0xFF179132)
YUV	97.6920, -23.5122, -65.5049
Hunter-Lab	45.4568, -36.1487, 23.4429

Details

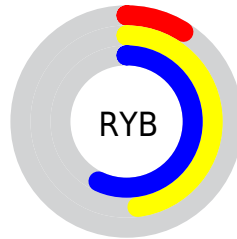
The Yxy color **20.6632, 0.2898, 0.5418** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.9345, 0.3717, 0.1934**, and the grayscale version is **12.1931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5040, 0.3005, 0.4886**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.4517, 0.2916, 0.5630**, and if you desaturate by 10%, it is **20.9934, 0.2893, 0.5167**.

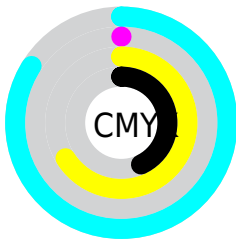
Distribution



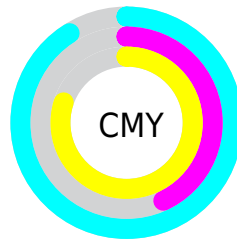
- Red (9%)
- Green (57%)
- Blue (20%)



- Red (9%)
- Yellow (48%)
- Blue (57%)



- Cyan (84%)
- Magenta (0%)
- Yellow (66%)
- Black (43%)




- Cyan (91%)
- Magenta (43%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6632, 0.2898, 0.5418 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 20.6632, 0.2898, 0.5418 by changing the saturation by 10% instead.


 20.6632, 0.2898,
0.5418


 20.6632, 0.2898,
0.5418


255.4831, 0.3097,
0.4123


 12.8780, 0.2794,
0.5833


 44.5263, 0.3003,
0.4882


 7.3446, 0.2613,
0.6417


 61.3731, 0.3031,
0.4701


 3.6785, 0.2379,
0.7621

 82.0092, 0.3051,
0.4556

 1.4954, 0.0418,
0.9582

 106.8189, 0.3066,
0.4437

 0.2855, 0.0000,
1.0000

 136.1868, 0.3077,
0.4339

 0.0000, 0.0000,
0.0000

 170.4972, 0.3085,

0.4256

210.1345, 0.3092,
0.4185

■ 20.6632, 0.2898,
0.5418

■ 20.6632, 0.2898,
0.5418

■ 20.4517, 0.2916,
0.5630

■ 20.9934, 0.2893,
0.5167

■ 20.3582, 0.2926,
0.5733

■ 21.4553, 0.2900,
0.4890

■ 22.0625, 0.2920,
0.4603

■ 22.8260, 0.2948,
0.4319

■ 23.7561, 0.2984,
0.4049

■ 24.8618, 0.3024,
0.3798

■ 26.1517, 0.3067,
0.3571

■ 27.6339, 0.3109,
0.3368

■ 29.3157, 0.3151,
0.3189

Harmonies

Analogous

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



20.6632, 0.3947, 0.5380



20.6632, 0.2898, 0.5418



20.6632, 0.1961, 0.4336

Triad

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



20.6632, 0.2898, 0.5418



20.6632, 0.1464, 0.1693



20.6632, 0.5190, 0.3117

Complementary

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



20.6632, 0.2898, 0.5418



7.9345, 0.3717, 0.1934

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.



20.6632, 0.4217, 0.2447



20.6632, 0.2898, 0.5418



20.6632, 0.2016, 0.1671

Square

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



20.6632, 0.2898, 0.5418



20.6632, 0.1265, 0.2068



20.6632, 0.2979, 0.1935



20.6632, 0.5387, 0.3859

Rectangle

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



20.6632, 0.2898, 0.5418



20.6632, 0.1541, 0.3374



20.6632, 0.2979, 0.1935



20.6632, 0.4937, 0.2883

Sweetspot

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



20.6641, 0.2898, 0.5418



44.2420, 0.3019, 0.3830



24.2044, 0.3828, 0.5198



9.6998, 0.3006, 0.3907



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.



20.6641, 0.2898, 0.5418



36.4326, 0.2934, 0.5763



21.5685, 0.2502, 0.4053



6.0478, 0.3088, 0.3466



17.4636, 0.2923, 0.5724



0.1698, 0.2725, 0.5012

Inverse Universe

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



7.9345, 0.3717, 0.1934



12.8814, 0.3866, 0.1903



6.9291, 0.5248, 0.2856



5.4908, 0.3169, 0.3120



6.1864, 0.3845, 0.1892



0.0624, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 20.6632, 0.2898, 0.5418 looks on a white background.

Color Contrast Check

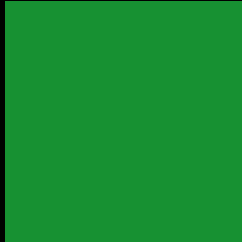
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6632, 0.2898, 0.5418 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 20.6632, 0.2898, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 20.6632, 0.2898, 0.5418.



This preview shows how white text looks on a background with the Yxy color 20.6632, 0.2898, 0.5418.

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

20.6632, 0.2898, 0.5418

Protanopia

20.3380, 0.4179, 0.4611

Deuteranopia

20.3692, 0.4319, 0.4252



Tritanopia

20.7390, 0.2377, 0.3070

Trichromacy



Original Color

20.6632, 0.2898, 0.5418



Protanomaly

19.2412, 0.3552, 0.4999



Deuteranomaly

18.7783, 0.3623, 0.4740



Tritanomaly

20.2635, 0.2564, 0.3884

Monochromacy



Original Color

20.6632, 0.2898, 0.5418



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.1951, 0.2970, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6632, 0.2898, 0.5418 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(23, 145, 50)` looks like.

```
.text, #text, p{  
    color:rgb(23, 145, 50)  
}
```

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(23, 145, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 145, 50) }
```

Border

The CSS property to change the border of an element to Yxy 20.6632, 0.2898, 0.5418 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(23, 145, 50) }
```

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

```
.border{ border-color:rgb(23, 145, 50) }
```

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

Here you see how a box with a 4 pixel rgb(23, 145, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 145, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 145, 50);  
box-shadow:4px 4px 4px 4px rgb(23, 145,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6632, 0.2898, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 145, 50) }
```

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

```
.background{ background-color: rgb(23, 145,  
50) }
```

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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