

Converting Colors

$Y_{xy}(18.7222, 0.2793, 0.4982)$

Have a look what the booklet for
 $\text{Yxy}(18.7222, 0.2793, 0.4982)$
contains.

$\text{Yxy}(18.8152, 0.2795, 0.4984)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.8152, 0.2795, 0.4984)

Conversions

Conversions Part 1

Format	Color
Hex	1B8A43
RGB	27, 138, 67
RGB Percent	11%, 54%, 26%
CMY	0.8945, 0.4588, 0.7373
CMYK	0.81, 0.00, 0.51, 0.46
HSL	142°, 67%, 32%
HSV	142°, 81%, 54%
XYZ	10.5515, 18.8152, 8.3845
YIQ	96.7170, -43.3650, -45.6130

Conversions

Conversions Part 2

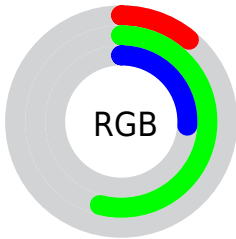
Format	Color
R_{YB}	27, 109, 138
Decimal	1804867
CIE _{Lab}	50.47, -46.21, 29.52
CIE _{LCh}	50, 54.828, 147.430
Yxy	18.8152, 0.2795, 0.4984
Android (android.graphics.Color)	4279994947 (0xFF1B8A43)
YUV	96.7170, -14.6505, -61.1418
Hunter-Lab	43.3765, -32.4882, 18.9030

Details

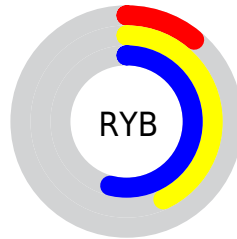
The Yxy color **18.8152, 0.2795, 0.4984** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0636, 0.4042, 0.2184**, and the grayscale version is **11.9189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1844, 0.2905, 0.4546**, and **6.8669, 0.2897, 0.5628** is the 20% darker color. If you saturate the color by 10%, you get **18.5727, 0.2810, 0.5205**, and if you desaturate by 10%, it is **19.1637, 0.2797, 0.4748**.

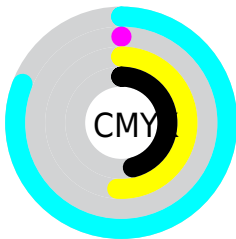
Distribution



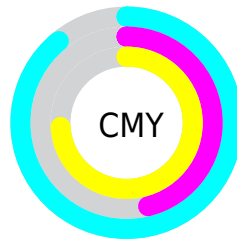
- Red (11%)
- Green (54%)
- Blue (26%)



- Red (11%)
- Yellow (43%)
- Blue (54%)



- Cyan (81%)
- Magenta (0%)
- Yellow (51%)
- Black (46%)





- Cyan (89%)
- Magenta (46%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8152, 0.2795, 0.4984 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 18.8152, 0.2795, 0.4984 by changing the saturation by 10% instead.


 18.8152, 0.2795,
0.4984


 18.8152, 0.2795,
0.4984


245.4267, 0.3028,
0.3941


 11.5368, 0.2697,
0.5337


 41.4216, 0.2904,
0.4544

 6.4291, 0.2535,
0.5858


 57.5184, 0.2936,
0.4399


 3.1077, 0.2284,
0.6828

 77.3235, 0.2961,
0.4283

 1.1882, 0.0000,
1.0000

 101.2212, 0.2980,
0.4189

 0.0521, 0.0000,
1.0000

 129.5960, 0.2996,
0.4111

 0.0000, 0.0000,
0.0000

 162.8322, 0.3008,

0.4045

201.3143, 0.3019,
0.3989

■ 18.8152, 0.2795,
0.4984

■ 18.8152, 0.2795,
0.4984

■ 18.5727, 0.2810,
0.5205

■ 19.1637, 0.2797,
0.4748

■ 18.4077, 0.2833,
0.5397

■ 19.6275, 0.2816,
0.4507

■ 20.2175, 0.2848,
0.4269

■ 20.9425, 0.2892,
0.4041

■ 21.8107, 0.2944,
0.3828

■ 22.8295, 0.3002,
0.3632

■ 24.0057, 0.3063,
0.3455

■ 25.3459, 0.3124,
0.3298

■ 26.8561, 0.3185,
0.3158

Harmonies

Analogous

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



18.8152, 0.3738, 0.5187



18.8152, 0.2795, 0.4984



18.8152, 0.1993, 0.3963

Triad

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



18.8152, 0.2795, 0.4984



18.8152, 0.1702, 0.1838



18.8152, 0.5010, 0.3292

Complementary

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



18.8152, 0.2795, 0.4984



7.0636, 0.4042, 0.2184

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.



18.8152, 0.4265, 0.2655



18.8152, 0.2795, 0.4984



18.8152, 0.2279, 0.1861

Square

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



18.8152, 0.2795, 0.4984



18.8152, 0.1461, 0.2130



18.8152, 0.3198, 0.2149



18.8152, 0.5088, 0.3989

Rectangle

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



18.8152, 0.2795, 0.4984



18.8152, 0.1650, 0.3178



18.8152, 0.3198, 0.2149



18.8152, 0.4827, 0.3071

Sweetspot

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



18.8160, 0.2795, 0.4984



39.4842, 0.2978, 0.3708



20.9172, 0.3641, 0.5273



8.7325, 0.2961, 0.3769



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.8160, 0.2795, 0.4984



32.4900, 0.2834, 0.5377



19.7997, 0.2403, 0.3657



5.6361, 0.3071, 0.3433



16.8779, 0.2831, 0.5390



0.1147, 0.2600, 0.4558

Inverse Universe

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



7.0636, 0.4042, 0.2184



10.9020, 0.4330, 0.2177



6.3620, 0.5481, 0.3080



5.0988, 0.3188, 0.3151



5.6060, 0.4343, 0.2166



0.0401, 0.3734, 0.1831

Previews

White Background



This preview shows how the Yxy color 18.8152, 0.2795, 0.4984 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 18.8152, 0.2795, 0.4984 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 18.8152, 0.2795, 0.4984

Background



This preview shows how black text looks on a background with the Yxy color 18.8152, 0.2795, 0.4984.



This preview shows how white text looks on a background with the Yxy color 18.8152, 0.2795, 0.4984.

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

18.8152, 0.2795, 0.4984

Protanopia

18.4361, 0.3992, 0.4341

Deuteranopia

18.4450, 0.4066, 0.4006



Tritanopia

18.7879, 0.2368, 0.3061

Trichromacy



Original Color

18.8152, 0.2795, 0.4984



Protanomaly

17.6603, 0.3409, 0.4640



Deuteranomaly

17.3876, 0.3433, 0.4393



Tritanomaly

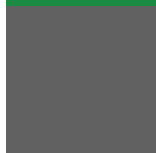
18.5943, 0.2518, 0.3716

Monochromacy



Original Color

18.8152, 0.2795, 0.4984



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

13.6379, 0.2925, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8152, 0.2795, 0.4984 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(27, 138, 67)` looks like.

```
.text, #text, p{  
    color:rgb(27, 138, 67)  
}
```

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(27, 138, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 138, 67) }
```

Border

The CSS property to change the border of an element to Yxy 18.8152, 0.2795, 0.4984 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(27, 138, 67) }
```

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

```
.border{ border-color:rgb(27, 138, 67) }
```

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

Here you see how a box with a 4 pixel rgb(27, 138, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 138, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 138, 67);  
box-shadow:4px 4px 4px 4px rgb(27, 138,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8152, 0.2795, 0.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 138, 67) }
```

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

```
.background{ background-color: rgb(27, 138,  
67) }
```

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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