

Converting Colors

$Y_{xy}(19.1574, 0.2787, 0.3459)$

Have a look what the booklet for
Yxy(19.1574, 0.2787, 0.3459)
contains.

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Color

Yxy(19.2302, 0.2792, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	5A8178
RGB	90, 129, 120
RGB Percent	35%, 51%, 47%
CMY	0.6472, 0.4941, 0.5294
CMYK	0.30, 0.00, 0.07, 0.49
HSL	166°, 18%, 43%
HSV	166°, 30%, 51%
XYZ	15.4550, 19.2302, 20.6694
YIQ	116.3130, -20.3550, -11.0670

Conversions

Conversions Part 2

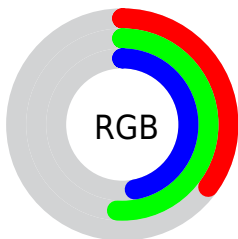
Format	Color
RYB	90, 112, 129
Decimal	5931384
CIELab	50.96, -15.69, 0.50
CIElCh	51, 15.703, 178.188
Yxy	19.2302, 0.2792, 0.3474
Android (android.graphics.Color)	4284121464 (0xFF5A8178)
YUV	116.3130, 1.8177, -23.0765
Hunter-Lab	43.8523, -13.8320, 2.7507

Details

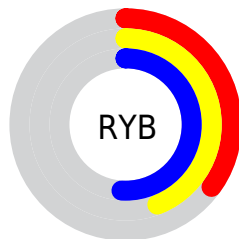
The Yxy color $19.2302, 0.2792, 0.3474$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $12.8752, 0.3620, 0.3115$, and the grayscale version is $17.5637, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.0972, 0.2869, 0.3435$, and $6.6974, 0.2649, 0.3553$ is the 20% darker color. If you saturate the color by 10%, you get $18.5684, 0.2698, 0.3545$, and if you desaturate by 10%, it is $20.0081, 0.2896, 0.3408$.

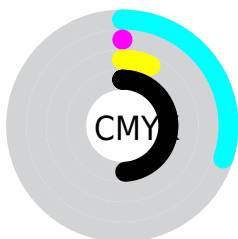
Distribution



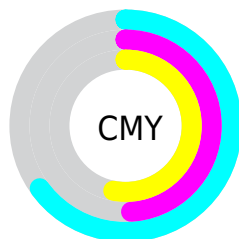
- Red (35%)
- Green (51%)
- Blue (47%)



- Red (35%)
- Yellow (44%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (49%)



- Cyan (65%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2302, 0.2792, 0.3474 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 19.2302, 0.2792, 0.3474 by changing the saturation by 10% instead.

■ 19.2302, 0.2792,
0.3474

■ 19.2302, 0.2792,
0.3474

■ 247.7167, 0.2984,
0.3368

■ 11.8367, 0.2733,
0.3506

■ 42.1227, 0.2869,
0.3432

■ 6.6326, 0.2650,
0.3552

■ 58.3906, 0.2895,
0.3417

■ 3.2334, 0.2523,
0.3623

■ 78.3853, 0.2917,
0.3405

■ 1.2548, 0.2299,
0.3749

■ 102.4914, 0.2935,
0.3395

■ 0.1058, 0.0000,
0.5680

■ 131.0932, 0.2950,
0.3387

■ 0.0000, 0.0000,
0.0000

164.5750, 0.2963,

0.3380

203.3214, 0.2974,
0.3374

■ 19.2302, 0.2792,
0.3474

■ 19.2302, 0.2792,
0.3474

■ 18.5684, 0.2698,
0.3545

■ 20.0081, 0.2896,
0.3408

■ 18.0145, 0.2616,
0.3620

■ 20.9051, 0.3008,
0.3347

■ 17.5630, 0.2549,
0.3699

■ 21.9271, 0.3124,
0.3291

■ 17.2068, 0.2499,
0.3780

■ 23.0789, 0.3243,
0.3241

■ 16.9380, 0.2467,
0.3862

■ 24.3649, 0.3363,
0.3196

■ 16.7475, 0.2453,
0.3944

■ 25.7895, 0.3481,
0.3157

■ 16.6086, 0.2451,
0.4024

■ 27.3567, 0.3598,
0.3122

■ 29.0706, 0.3711,
0.3091

■ 30.9347, 0.3821,
0.3064

Harmonies

Analogous

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



19.2302, 0.3059, 0.3710



19.2302, 0.2792, 0.3474



19.2302, 0.2618, 0.3192

Triad

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



19.2302, 0.2792, 0.3474



19.2302, 0.2885, 0.2813



19.2302, 0.3711, 0.3587

Complementary

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



19.2302, 0.2792, 0.3474



12.8752, 0.3620, 0.3115

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.



19.2302, 0.3663, 0.3349



19.2302, 0.2792, 0.3474



19.2302, 0.3175, 0.2917

Square

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



19.2302, 0.2792, 0.3474



19.2302, 0.2670, 0.2824



19.2302, 0.3463, 0.3108



19.2302, 0.3595, 0.3763

Rectangle

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



19.2302, 0.2792, 0.3474



19.2302, 0.2574, 0.3025



19.2302, 0.3463, 0.3108



19.2302, 0.3714, 0.3511

Sweetspot

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



19.2310, 0.2792, 0.3474



37.6130, 0.3020, 0.3341



19.0973, 0.3192, 0.4105



8.4650, 0.3006, 0.3348



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.2310, 0.2792, 0.3474



33.6306, 0.2729, 0.3520



16.8554, 0.2686, 0.3074



4.8705, 0.3021, 0.3340



16.1922, 0.2451, 0.4023



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8752, 0.3620, 0.3115



20.4194, 0.3771, 0.3076



14.5928, 0.3711, 0.3495



4.3593, 0.3245, 0.3241



4.6411, 0.5917, 0.3033



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.2302, 0.2792, 0.3474 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 19.2302, 0.2792, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

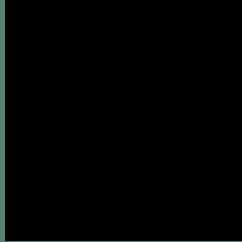
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2302, 0.2792, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 19.2302, 0.2792, 0.3474.

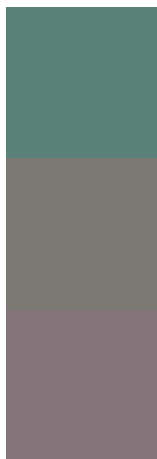


This preview shows how white text looks on a background with the Yxy color 19.2302, 0.2792, 0.3474.

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

19.2302, 0.2792, 0.3474

Protanopia

18.9558, 0.3236, 0.3385

Deuteranopia

19.0333, 0.3259, 0.3200



Tritanopia

19.3646, 0.2671, 0.3093

Trichromacy



Original Color

19.2302, 0.2792, 0.3474

Protanomaly

18.8950, 0.3061, 0.3407

Deuteranomaly

18.8371, 0.3078, 0.3290

Tritanomaly

19.4042, 0.2718, 0.3229

Monochromacy



Original Color

19.2302, 0.2792, 0.3474

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.0849, 0.3002, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2302, 0.2792, 0.3474 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(90, 129, 120)` looks like.

```
.text, #text, p{  
    color:rgb(90, 129, 120)  
}
```

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(90, 129, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 129, 120) }
```

Border

The CSS property to change the border of an element to Yxy 19.2302, 0.2792, 0.3474 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(90, 129, 120) }
```

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

```
.border{ border-color:rgb(90, 129, 120) }
```

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

Here you see how a box with a 4 pixel rgb(90, 129, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 129, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 129, 120);  
box-shadow:4px 4px 4px 4px rgb(90, 129,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2302, 0.2792, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 129, 120) }
```

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

```
.background{ background-color: rgb(90, 129,  
120) }
```

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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