

Converting Colors

$Yxy(11.8930, 0.2483, 0.3517)$

Have a look what the booklet for
Yxy(11.8930, 0.2483, 0.3517)
contains.

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Color

Yxy(11.8686, 0.2489, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	296B62
RGB	41, 107, 98
RGB Percent	16%, 42%, 38%
CMY	0.8394, 0.5804, 0.6157
CMYK	0.62, 0.00, 0.08, 0.58
HSL	172°, 45%, 29%
HSV	172°, 62%, 42%
XYZ	8.3757, 11.8686, 13.4064
YIQ	86.2400, -36.4470, -16.7910

Conversions

Conversions Part 2

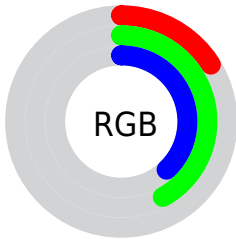
Format	Color
RYB	41, 76, 107
Decimal	2714466
CIELab	41.01, -23.22, -1.21
CIELCh	41, 23.249, 182.986
Yxy	11.8686, 0.2489, 0.3527
Android (android.graphics.Color)	4280904546 (0xFF296B62)
YUV	86.2400, 5.7977, -39.6755
Hunter-Lab	34.4508, -16.8922, 1.0431

Details

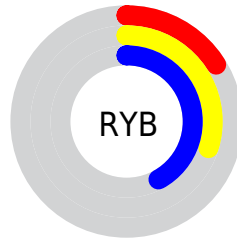
The Yxy color **11.8686, 0.2489, 0.3527** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.9390, 0.4660, 0.3098**, and the grayscale version is **9.3509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3459, 0.2649, 0.3465**, and **3.3759, 0.2337, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **11.6511, 0.2434, 0.3572**, and if you desaturate by 10%, it is **12.1473, 0.2561, 0.3483**.

Distribution



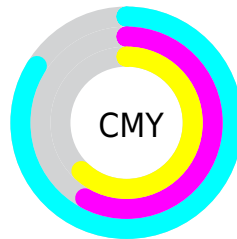
- Red (16%)
- Green (42%)
- Blue (38%)



- Red (16%)
- Yellow (30%)
- Blue (42%)



- Cyan (62%)
- Magenta (0%)
- Yellow (8%)
- Black (58%)





- Cyan (84%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8686, 0.2489, 0.3527 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 11.8686, 0.2489, 0.3527 by changing the saturation by 10% instead.


 11.8686, 0.2489,
0.3527


 11.8686, 0.2489,
0.3527


 203.5334, 0.2876,
0.3385


 6.6543, 0.2358,
0.3574


 29.2556, 0.2652,
0.3468


 3.2468, 0.2160,
0.3643

 42.1970, 0.2706,
0.3448

 1.2619, 0.1772,
0.3781

 58.4829, 0.2749,
0.3432

 0.1114, 0.0000,
0.3510

 78.4977, 0.2784,
0.3419

 0.0000, 0.0000,
0.0000

 102.6257, 0.2813,
0.3409

 131.2514, 0.2837,

0.3400

164.7592, 0.2858,
0.3392

■ 11.8686, 0.2489,
0.3527

■ 11.8686, 0.2489,
0.3527

■ 11.6511, 0.2434,
0.3572

■ 12.1473, 0.2561,
0.3483

■ 11.4885, 0.2395,
0.3617

■ 12.4904, 0.2648,
0.3441

■ 11.3753, 0.2374,
0.3662

■ 12.9022, 0.2748,
0.3401

■ 11.2967, 0.2361,
0.3700

■ 13.3865, 0.2860,
0.3363

■ 13.9466, 0.2979,
0.3328

■ 14.5859, 0.3105,
0.3295

■ 15.3073, 0.3235,
0.3266

■ 16.1136, 0.3366,
0.3239

■ 17.0076, 0.3497,
0.3216

Harmonies

Analogous

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



11.8686, 0.2915, 0.3994



11.8686, 0.2489, 0.3527



11.8686, 0.2242, 0.3023

Triad

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



11.8686, 0.2489, 0.3527



11.8686, 0.2777, 0.2513



11.8686, 0.4126, 0.3826

Complementary

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



11.8686, 0.2489, 0.3527



4.9390, 0.4660, 0.3098

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.



11.8686, 0.4100, 0.3430



11.8686, 0.2489, 0.3527



11.8686, 0.3283, 0.2710

Square

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



11.8686, 0.2489, 0.3527



11.8686, 0.2398, 0.2487



11.8686, 0.3782, 0.3035



11.8686, 0.3867, 0.4129

Rectangle

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



11.8686, 0.2489, 0.3527



11.8686, 0.2198, 0.2757



11.8686, 0.3782, 0.3035



11.8686, 0.4152, 0.3699

Sweetspot

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



11.8691, 0.2489, 0.3527



24.1754, 0.2885, 0.3355



11.3766, 0.3144, 0.5099



5.8008, 0.2859, 0.3363



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.8691, 0.2489, 0.3527



20.7220, 0.2415, 0.3592



7.8556, 0.2269, 0.2649



3.4852, 0.3013, 0.3318



13.7385, 0.2362, 0.3705



69.9097, 0.2370, 0.3731

Inverse Universe

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



4.9390, 0.4660, 0.3098



7.1228, 0.5248, 0.3092



6.9611, 0.4546, 0.3812



3.1229, 0.3254, 0.3262



3.8401, 0.6150, 0.3161



19.4883, 0.6250, 0.3217

Previews

White Background



This preview shows how the Yxy color 11.8686, 0.2489, 0.3527 looks on a white 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

Black Background



This preview shows how the Yxy color 11.8686, 0.2489, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

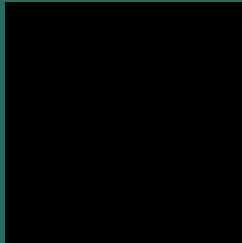
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8686, 0.2489, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 11.8686, 0.2489, 0.3527.



This preview shows how white text looks on a background with the Yxy color 11.8686, 0.2489, 0.3527.

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

11.8686, 0.2489, 0.3527

Protanopia

11.7911, 0.3230, 0.3383

Deuteranopia

11.6519, 0.3166, 0.3112



Tritanopia

11.8997, 0.2388, 0.3088

Trichromacy



Original Color

11.8686, 0.2489, 0.3527

Protanomaly

11.5422, 0.2896, 0.3439

Deuteranomaly

11.3609, 0.2845, 0.3240

Tritanomaly

11.9487, 0.2423, 0.3237

Monochromacy



Original Color

11.8686, 0.2489, 0.3527

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.0457, 0.2830, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8686, 0.2489, 0.3527 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(41, 107, 98)` looks like.

```
.text, #text, p{  
    color:rgb(41, 107, 98)  
}
```

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(41, 107, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 107, 98) }
```

Border

The CSS property to change the border of an element to Yxy 11.8686, 0.2489, 0.3527 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(41, 107, 98) }
```

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

```
.border{ border-color:rgb(41, 107, 98) }
```

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

Here you see how a box with a 4 pixel rgb(41, 107, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 107, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 107, 98);  
box-shadow:4px 4px 4px 4px rgb(41, 107,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8686, 0.2489, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 107, 98) }
```

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

```
.background{ background-color: rgb(41, 107,  
98) }
```

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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