

Converting Colors

$Yxy(27.0990, 0.2402, 0.3490)$

Have a look what the booklet for
Yxy(27.0990, 0.2402, 0.3490)
contains.

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Color

$\text{Yxy}(27.1646, 0.2402, 0.3496)$

Conversions

Conversions Part 1

Format	Color
Hex	2F9E93
RGB	47, 158, 147
RGB Percent	18%, 62%, 58%
CMY	0.8160, 0.3804, 0.4234
CMYK	0.70, 0.00, 0.07, 0.38
HSL	174°, 54%, 40%
HSV	174°, 70%, 62%
XYZ	18.6640, 27.1646, 31.8733
YIQ	123.5570, -62.6250, -26.9530

Conversions

Conversions Part 2

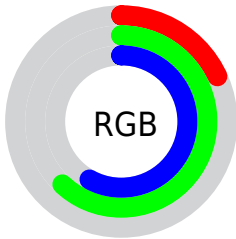
Format	Color
R_{YB}	47, 105, 158
Decimal	3120787
CIE _{Lab}	59.13, -33.20, -3.27
CIE _{LCh}	59, 33.361, 185.622
Yxy	27.1646, 0.2402, 0.3496
Android (android.graphics.Color)	4281310867 (0xFF2F9E93)
YUV	123.5570, 11.5574, -67.1405
Hunter-Lab	52.1197, -27.2887, 0.2255

Details

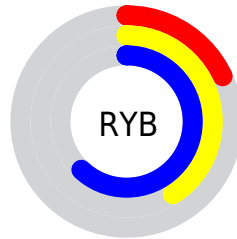
The Yxy color **27.1646, 0.2402, 0.3496** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6004, 0.5208, 0.3150**, and the grayscale version is **19.9708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0568, 0.2549, 0.3453**, and **11.1711, 0.2317, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **26.8077, 0.2362, 0.3529**, and if you desaturate by 10%, it is **27.6601, 0.2460, 0.3463**.

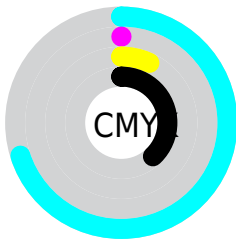
Distribution



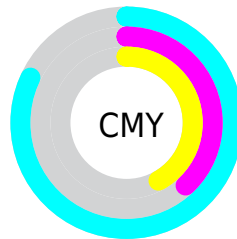
- Red (18%)
- Green (62%)
- Blue (58%)



- Red (18%)
- Yellow (41%)
- Blue (62%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (38%)




- Cyan (82%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1646, 0.2402, 0.3496 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 27.1646, 0.2402, 0.3496 by changing the saturation by 10% instead.


 27.1646, 0.2402,
0.3496


 27.1646, 0.2402,
0.3496

288.4532, 0.2791,
0.3389


 17.6969, 0.2296,
0.3523


 55.1479, 0.2550,
0.3457

 10.7326, 0.2153,
0.3558


 74.4322, 0.2604,
0.3442


 5.8873, 0.1954,
0.3605

 97.7576, 0.2648,
0.3430

 2.7767, 0.1659,
0.3667

 125.5083, 0.2686,
0.3419

 1.0163, 0.0589,
0.3997

 158.0689, 0.2718,
0.3410

 0.0000, 0.0000,
0.0000

195.8236, 0.2746,

0.3402

239.1569, 0.2770,
0.3396

■ 27.1646, 0.2402,
0.3496

■ 27.1646, 0.2402,
0.3496

■ 26.8077, 0.2362,
0.3529

■ 27.6601, 0.2460,
0.3463

■ 26.5708, 0.2341,
0.3563

■ 28.3044, 0.2537,
0.3430

■ 26.4206, 0.2332,
0.3595

■ 29.1100, 0.2630,
0.3399

■ 30.0874, 0.2737,
0.3369

■ 31.2464, 0.2857,
0.3341

■ 32.5956, 0.2987,
0.3315

■ 34.1436, 0.3123,
0.3291

■ 35.8980, 0.3263,
0.3269

■ 37.8663, 0.3406,
0.3250

Harmonies

Analogous

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



27.1646, 0.2847, 0.4025



27.1646, 0.2402, 0.3496



27.1646, 0.2159, 0.2952

Triad

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



27.1646, 0.2402, 0.3496



27.1646, 0.2790, 0.2464



27.1646, 0.4198, 0.3898

Complementary

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



27.1646, 0.2402, 0.3496



9.6004, 0.5208, 0.3150

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.



27.1646, 0.4203, 0.3474



27.1646, 0.2402, 0.3496



27.1646, 0.3345, 0.2689

Square

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



27.1646, 0.2402, 0.3496



27.1646, 0.2367, 0.2416



27.1646, 0.3881, 0.3047



27.1646, 0.3891, 0.4220

Rectangle

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



27.1646, 0.2402, 0.3496



27.1646, 0.2126, 0.2677



27.1646, 0.3881, 0.3047



27.1646, 0.4237, 0.3763

Sweetspot

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



27.1656, 0.2402, 0.3496



56.4896, 0.2843, 0.3344



25.5608, 0.3089, 0.5450



12.6075, 0.2812, 0.3351



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.1656, 0.2402, 0.3496



48.4235, 0.2349, 0.3547



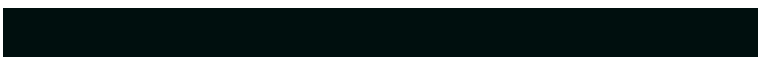
15.0090, 0.2117, 0.2388



7.4982, 0.3001, 0.3312



21.1615, 0.2331, 0.3592



0.3813, 0.2294, 0.3459

Inverse Universe

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



9.6004, 0.5208, 0.3150



14.5231, 0.5851, 0.3179



15.0167, 0.4837, 0.3951



6.6563, 0.3269, 0.3268



5.8538, 0.6257, 0.3220



0.1074, 0.5671, 0.2897

Previews

White Background



This preview shows how the Yxy color 27.1646, 0.2402, 0.3496 looks on a white background.

Color Contrast Check

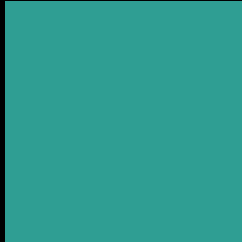
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1646, 0.2402, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

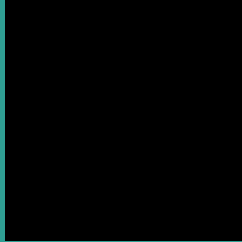
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1646, 0.2402, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 27.1646, 0.2402, 0.3496.

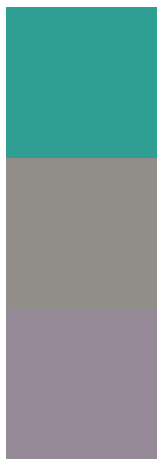


This preview shows how white text looks on a background with the Yxy color 27.1646, 0.2402, 0.3496.

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

27.1646, 0.2402, 0.3496

Protanopia

26.8756, 0.3211, 0.3356

Deuteranopia

26.6423, 0.3116, 0.3054



Tritanopia

27.1694, 0.2310, 0.3056

Trichromacy



Original Color

27.1646, 0.2402, 0.3496



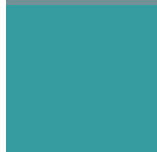
Protanomaly

26.0417, 0.2810, 0.3396



Deuteranomaly

25.9635, 0.2767, 0.3202



Tritanomaly

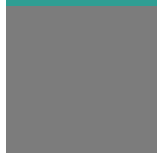
27.0993, 0.2343, 0.3215

Monochromacy



Original Color

27.1646, 0.2402, 0.3496



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

21.7611, 0.2752, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1646, 0.2402, 0.3496 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(47, 158, 147)` looks like.

```
.text, #text, p{  
    color:rgb(47, 158, 147)  
}
```

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(47, 158, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 158, 147) }
```

Border

The CSS property to change the border of an element to Yxy 27.1646, 0.2402, 0.3496 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(47, 158, 147) }
```

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

```
.border{ border-color:rgb(47, 158, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 158, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 158, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 158, 147);  
box-shadow:4px 4px 4px 4px rgb(47, 158,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1646, 0.2402, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 158, 147) }
```

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

```
.background{ background-color: rgb(47, 158,  
147) }
```

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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