

Converting Colors

$Y_{xy}(27.0277, 0.3158, 0.4090)$

Have a look what the booklet for
Yxy(27.0277, 0.3158, 0.4090)
contains.

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Color

$Yxy(27.1840, 0.3158, 0.4087)$

Conversions

Conversions Part 1

Format	Color
Hex	73986C
RGB	115, 152, 108
RGB Percent	45%, 60%, 42%
CMY	0.5490, 0.4039, 0.5765
CMYK	0.24, 0.00, 0.29, 0.40
HSL	110°, 18%, 51%
HSV	110°, 29%, 60%
XYZ	21.0049, 27.1840, 18.3244
YIQ	135.9210, -7.9280, -21.5280

Conversions

Conversions Part 2

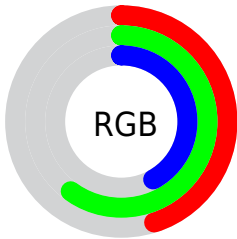
Format	Color
R_{YB}	108, 152, 145
Decimal	7575660
CIE _{Lab}	59.14, -21.60, 19.14
CIE _{LCh}	59, 28.860, 138.463
Y _{xy}	27.1840, 0.3158, 0.4087
Android (android.graphics.Color)	4285765740 (0xFF73986C)
YUV	135.9210, -13.7651, -18.3477
Hunter-Lab	52.1383, -19.3298, 15.6588

Details

The Yxy color $27.1840, 0.3158, 0.4087$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.0095, 0.3073, 0.2573$, and the grayscale version is $24.6445, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.0055, 0.3158, 0.3898$, and $10.7919, 0.3155, 0.4412$ is the 20% darker color. If you saturate the color by 10%, you get $26.0821, 0.3162, 0.4410$, and if you desaturate by 10%, it is $28.4648, 0.3150, 0.3785$.

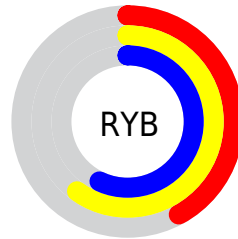
Distribution



Red (45%)

Green (60%)

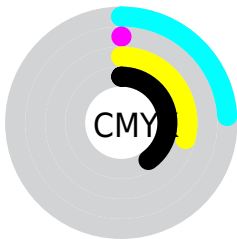
Blue (42%)



Red (42%)

Yellow (60%)

Blue (57%)

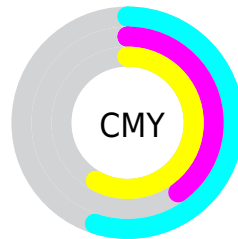


Cyan (24%)

Magenta (0%)

Yellow (29%)

Black (40%)



Cyan (55%)


Magenta (40%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1840, 0.3158, 0.4087 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 27.1840, 0.3158, 0.4087 by changing the saturation by 10% instead.


 27.1840, 0.3158,
0.4087


 27.1840, 0.3158,
0.4087


288.5469, 0.3151,
0.3636


 17.7115, 0.3155,
0.4221


 55.1790, 0.3158,
0.3909

 10.7430, 0.3148,
0.4407


 74.4702, 0.3157,
0.3846

 5.8943, 0.3128,
0.4684

 97.8031, 0.3156,
0.3795

 2.7809, 0.3076,
0.5134

 125.5622, 0.3155,
0.3753

 1.0185, 0.2992,
0.7008

158.1316, 0.3154,
0.3717

 0.0000, 0.0000,
0.0000

195.8960, 0.3153,

0.3686

239.2396, 0.3152,
0.3659

■ 27.1840, 0.3158,
0.4087

■ 27.1840, 0.3158,
0.4087

■ 26.0821, 0.3162,
0.4410

■ 28.4648, 0.3150,
0.3785

■ 25.1477, 0.3161,
0.4745

■ 29.9283, 0.3139,
0.3511

■ 24.3736, 0.3152,
0.5074

■ 31.5826, 0.3126,
0.3266

■ 23.7506, 0.3136,
0.5377

■ 33.4342, 0.3112,
0.3049

■ 23.2685, 0.3113,
0.5633

■ 35.4896, 0.3098,
0.2860

■ 22.9158, 0.3084,
0.5822

■ 37.7545, 0.3084,
0.2694

■ 22.6749, 0.3055,
0.5946

■ 40.2347, 0.3070,
0.2550

■ 22.6545, 0.3053,
0.5958

■ 42.9358, 0.3057,
0.2425

■ 45.8630, 0.3045,
0.2315

Harmonies

Analogous

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



27.1840, 0.3625, 0.4155



27.1840, 0.3158, 0.4087



27.1840, 0.2704, 0.3742

Triad

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



27.1840, 0.3158, 0.4087



27.1840, 0.2327, 0.2584



27.1840, 0.3928, 0.3240

Complementary

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



27.1840, 0.3158, 0.4087



19.0095, 0.3073, 0.2573

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.



27.1840, 0.3528, 0.2888



27.1840, 0.3158, 0.4087



27.1840, 0.2604, 0.2520

Square

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



27.1840, 0.3158, 0.4087



27.1840, 0.2249, 0.2840



27.1840, 0.3036, 0.2632



27.1840, 0.4092, 0.3624

Rectangle

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



27.1840, 0.3158, 0.4087



27.1840, 0.2468, 0.3425



27.1840, 0.3036, 0.2632



27.1840, 0.3815, 0.3115

Sweetspot

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



27.1852, 0.3158, 0.4087



52.7631, 0.3139, 0.3517



27.9078, 0.3581, 0.3884



11.9086, 0.3141, 0.3552



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.1852, 0.3158, 0.4087



46.6391, 0.3161, 0.4303



27.0669, 0.2962, 0.3824



6.9705, 0.3139, 0.3518



19.0038, 0.3056, 0.5955



0.2946, 0.3265, 0.5789

Inverse Universe

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



19.0095, 0.3073, 0.2573



29.7073, 0.3055, 0.2402



19.2147, 0.3343, 0.2811



6.2738, 0.3113, 0.3069



5.7461, 0.2818, 0.1326



0.0977, 0.3005, 0.1429

Previews

White Background



This preview shows how the Yxy color 27.1840, 0.3158, 0.4087 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 27.1840, 0.3158, 0.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

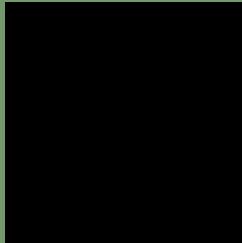
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1840, 0.3158, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 27.1840, 0.3158, 0.4087.



This preview shows how white text looks on a background with the Yxy color 27.1840, 0.3158, 0.4087.

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

27.1840, 0.3158, 0.4087

Protanopia

27.0976, 0.3656, 0.3922

Deuteranopia

26.8630, 0.3751, 0.3678



Tritanopia

27.2030, 0.2801, 0.3106

Trichromacy



Original Color

27.1840, 0.3158, 0.4087

Protanomaly

27.0667, 0.3458, 0.3987

Deuteranomaly

26.6748, 0.3513, 0.3821

Tritanomaly

27.0370, 0.2931, 0.3446

Monochromacy



Original Color

27.1840, 0.3158, 0.4087

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4416, 0.3135, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1840, 0.3158, 0.4087 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(115, 152, 108)` looks like.

```
.text, #text, p{  
    color:rgb(115, 152, 108)  
}
```

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(115, 152, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 152, 108) }
```

Border

The CSS property to change the border of an element to Yxy 27.1840, 0.3158, 0.4087 is called "border". The border property can be set on classes, ids or directly on the HTML element.

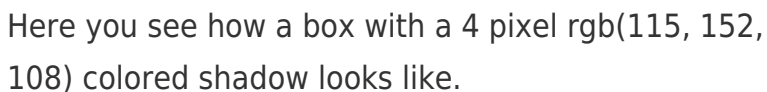
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 152, 108) }
```

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

```
.border{ border-color:rgb(115, 152, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 152, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 152, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 152, 108); box-shadow:4px 4px 4px 4px rgb(115, 152, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1840, 0.3158, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 152, 108) }
```

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

```
.background{ background-color: rgb(115,  
152, 108) }
```

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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