

Converting Colors

$Y_{xy}(27.8516, 0.2940, 0.3990)$

Have a look what the booklet for
Yxy(27.8516, 0.2940, 0.3990)
contains.

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Color

Yxy(27.8516, 0.2940, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	659C76
RGB	101, 156, 118
RGB Percent	40%, 61%, 46%
CMY	0.6040, 0.3882, 0.5373
CMYK	0.35, 0.00, 0.24, 0.39
HSL	139°, 22%, 50%
HSV	139°, 35%, 61%
XYZ	20.5222, 27.8516, 21.4297
YIQ	135.2230, -20.5820, -23.4780

Conversions

Conversions Part 2

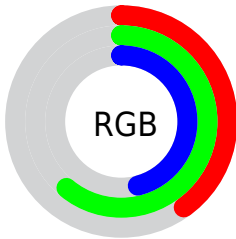
Format	Color
RYB	101, 143, 156
Decimal	6659190
CIELab	59.75, -26.57, 14.27
CIElCh	60, 30.159, 151.750
Yxy	27.8516, 0.2940, 0.3990
Android (android.graphics.Color)	4284849270 (0xFF659C76)
YUV	135.2230, -8.4909, -30.0136
Hunter-Lab	52.7746, -22.9431, 12.8669

Details

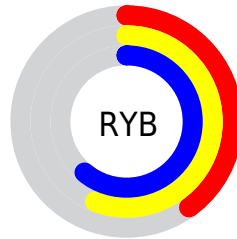
The Yxy color $27.8516, 0.2940, 0.3990$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.2346, 0.3386, 0.2682$, and the grayscale version is $24.3514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.3608, 0.2988, 0.3838$, and $11.0466, 0.2854, 0.4248$ is the 20% darker color. If you saturate the color by 10%, you get $26.7946, 0.2896, 0.4233$, and if you desaturate by 10%, it is $29.1111, 0.2990, 0.3765$.

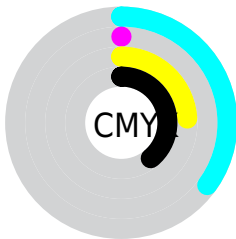
Distribution



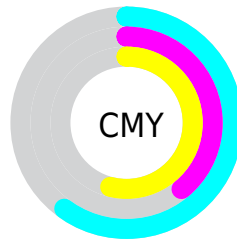
- Red (40%)
- Green (61%)
- Blue (46%)



- Red (40%)
- Yellow (56%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (39%)





- Cyan (60%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8516, 0.2940, 0.3990 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 27.8516, 0.2940, 0.3990 by changing the saturation by 10% instead.


 27.8516, 0.2940,
0.3990

 27.8516, 0.2940,
0.3990


291.7571, 0.3049,
0.3595

 18.2138, 0.2906,
0.4107


 56.2474, 0.2984,
0.3833


 11.1036, 0.2857,
0.4272


 75.7743, 0.3000,
0.3779

 6.1366, 0.2781,
0.4517

 99.3663, 0.3012,
0.3734

 2.9283, 0.2650,
0.4919

 127.4078, 0.3022,
0.3697

 1.0944, 0.2290,
0.6633

160.2832, 0.3030,
0.3665

 0.0000, 0.0000,
0.0000

198.3770, 0.3038,

0.3638

242.0735, 0.3044,
0.3615

■ 27.8516, 0.2940,
0.3990

■ 27.8516, 0.2940,
0.3990

■ 26.7946, 0.2896,
0.4233

■ 29.1111, 0.2990,
0.3765

■ 25.9260, 0.2862,
0.4489

■ 30.5795, 0.3043,
0.3561

■ 25.2353, 0.2840,
0.4750

■ 32.2672, 0.3098,
0.3378


■ 24.7092, 0.2832,
0.5007


■ 34.1828, 0.3153,
0.3216


■ 24.3330, 0.2840,
0.5247


■ 36.3346, 0.3207,
0.3073


 24.0875, 0.2864,
0.5461

 38.7303, 0.3258,
0.2948

 23.9953, 0.2875,
0.5552

 41.3773, 0.3307,
0.2839

 44.2826, 0.3354,
0.2745

 47.4532, 0.3397,
0.2662

Harmonies

Analogous

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



27.8516, 0.3434, 0.4195



27.8516, 0.2940, 0.3990



27.8516, 0.2518, 0.3543

Triad

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



27.8516, 0.2940, 0.3990



27.8516, 0.2403, 0.2507



27.8516, 0.4069, 0.3412

Complementary

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



27.8516, 0.2940, 0.3990



18.2346, 0.3386, 0.2682

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.



27.8516, 0.3748, 0.3026



27.8516, 0.2940, 0.3990



27.8516, 0.2767, 0.2525

Square

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



27.8516, 0.2940, 0.3990



27.8516, 0.2229, 0.2682



27.8516, 0.3259, 0.2711



27.8516, 0.4107, 0.3801

Rectangle

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



27.8516, 0.2940, 0.3990



27.8516, 0.2328, 0.3206



27.8516, 0.3259, 0.2711



27.8516, 0.3990, 0.3280

Sweetspot

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



27.8528, 0.2940, 0.3990



56.7297, 0.3065, 0.3484



30.2509, 0.3466, 0.4199



12.4012, 0.3059, 0.3507



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.8528, 0.2940, 0.3990



49.0982, 0.2906, 0.4172



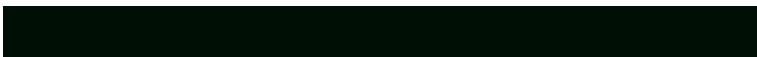
28.5894, 0.2725, 0.3483



7.4332, 0.3076, 0.3448



19.7679, 0.2872, 0.5539



0.3606, 0.2657, 0.4767

Inverse Universe

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



18.2346, 0.3386, 0.2682



29.0644, 0.3461, 0.2553



17.5401, 0.3773, 0.3109



6.7196, 0.3182, 0.3137



6.7160, 0.4157, 0.2064



0.1273, 0.3703, 0.1814

Previews

White Background



This preview shows how the Yxy color 27.8516, 0.2940, 0.3990 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 27.8516, 0.2940, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

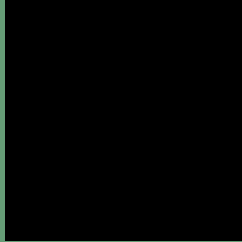
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8516, 0.2940, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 27.8516, 0.2940, 0.3990.



This preview shows how white text looks on a background with the Yxy color 27.8516, 0.2940, 0.3990.

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

27.8516, 0.2940, 0.3990

Protanopia

27.5871, 0.3557, 0.3791

Deuteranopia

27.5814, 0.3607, 0.3538



Tritanopia

27.7363, 0.2655, 0.3086

Trichromacy



Original Color

27.8516, 0.2940, 0.3990

Protanomaly

27.4630, 0.3308, 0.3873

Deuteranomaly

27.3821, 0.3334, 0.3691

Tritanomaly

27.6576, 0.2759, 0.3394

Monochromacy



Original Color

27.8516, 0.2940, 0.3990

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4409, 0.3053, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8516, 0.2940, 0.3990 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(101, 156, 118)` looks like.

```
.text, #text, p{  
    color:rgb(101, 156, 118)  
}
```

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(101, 156, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 156, 118) }
```

Border

The CSS property to change the border of an element to Yxy 27.8516, 0.2940, 0.3990 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(101, 156, 118) }
```

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

```
.border{ border-color:rgb(101, 156, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 156, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 156, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 156, 118);  
box-shadow:4px 4px 4px 4px rgb(101, 156,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8516, 0.2940, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 156, 118) }
```

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

```
.background{ background-color: rgb(101,  
156, 118) }
```

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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