

Converting Colors

$Y_{xy}(27.8832, 0.2776, 0.3616)$

Have a look what the booklet for
Yxy(27.8832, 0.2776, 0.3616)
contains.

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Color

Yxy(27.9582, 0.2777, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	649B89
RGB	100, 155, 137
RGB Percent	39%, 61%, 54%
CMY	0.6080, 0.3921, 0.4627
CMYK	0.36, 0.00, 0.12, 0.39
HSL	160°, 22%, 50%
HSV	160°, 36%, 61%
XYZ	21.4890, 27.9582, 27.9350
YIQ	136.5030, -27.0020, -17.2580

Conversions

Conversions Part 2

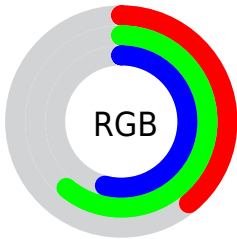
Format	Color
RYB	100, 133, 155
Decimal	6593417
CIELab	59.85, -22.34, 3.69
CIElCh	60, 22.647, 170.615
Yxy	27.9582, 0.2777, 0.3613
Android (android.graphics.Color)	4284783497 (0xFF649B89)
YUV	136.5030, 0.2450, -32.0131
Hunter-Lab	52.8755, -19.9883, 5.6890

Details

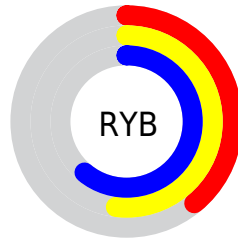
The Yxy color $27.9582, 0.2777, 0.3613$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.3821, 0.3674, 0.2993$, and the grayscale version is $24.8230, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.5832, 0.2855, 0.3552$, and $11.2417, 0.2650, 0.3754$ is the 20% darker color. If you saturate the color by 10%, you get $27.0164, 0.2697, 0.3722$, and if you desaturate by 10%, it is $29.0773, 0.2867, 0.3512$.

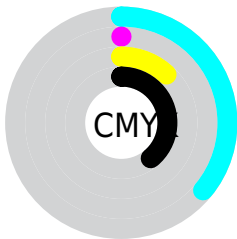
Distribution



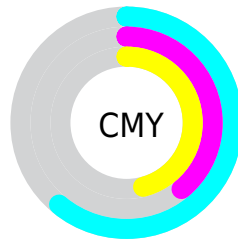
- Red (39%)
- Green (61%)
- Blue (54%)



- Red (39%)
- Yellow (52%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)





- Cyan (61%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9582, 0.2777, 0.3613 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 27.9582, 0.2777, 0.3613 by changing the saturation by 10% instead.


 27.9582, 0.2777,
0.3613


 27.9582, 0.2777,
0.3613


292.2671, 0.2968,
0.3435


 18.2942, 0.2723,
0.3664


 56.4177, 0.2851,
0.3544


 11.1614, 0.2650,
0.3734


 75.9819, 0.2877,
0.3519

 6.1755, 0.2544,
0.3837

 99.6150, 0.2899,
0.3499

 2.9521, 0.2380,
0.4000

 127.7014, 0.2917,
0.3482

 1.1068, 0.1943,
0.4380

160.6254, 0.2933,
0.3468

 0.0000, 0.0000,
0.0000

198.7714, 0.2946,

0.3455

242.5238, 0.2958,
0.3444

■ 27.9582, 0.2777,
0.3613

■ 27.9582, 0.2777,
0.3613

■ 27.0164, 0.2697,
0.3722

■ 29.0773, 0.2867,
0.3512

■ 26.2387, 0.2632,
0.3837

■ 30.3791, 0.2965,
0.3418

■ 25.6157, 0.2582,
0.3956


■ 31.8732, 0.3069,
0.3333


■ 25.1355, 0.2550,
0.4079


■ 33.5671, 0.3175,
0.3257

■ 24.7845, 0.2538,
0.4202


■ 35.4684, 0.3282,
0.3188

 24.5442, 0.2544,
0.4324

 37.5839, 0.3388,
0.3127

 24.4524, 0.2550,
0.4378

 39.9202, 0.3493,
0.3074

 42.4838, 0.3594,
0.3027

 45.2807, 0.3692,
0.2986

Harmonies

Analogous

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



27.9582, 0.3131, 0.3885



27.9582, 0.2777, 0.3613



27.9582, 0.2526, 0.3249

Triad

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



27.9582, 0.2777, 0.3613



27.9582, 0.2739, 0.2681



27.9582, 0.3877, 0.3586

Complementary

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



27.9582, 0.2777, 0.3613



17.3821, 0.3674, 0.2993

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.



27.9582, 0.3764, 0.3280



27.9582, 0.2777, 0.3613



27.9582, 0.3087, 0.2778

Square

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



27.9582, 0.2777, 0.3613



27.9582, 0.2506, 0.2728



27.9582, 0.3467, 0.2992



27.9582, 0.3776, 0.3841

Rectangle

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



27.9582, 0.2777, 0.3613



27.9582, 0.2443, 0.3023



27.9582, 0.3467, 0.2992



27.9582, 0.3863, 0.3486

Sweetspot

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



27.9593, 0.2777, 0.3613



55.5061, 0.3009, 0.3381



28.2384, 0.3256, 0.4270



12.4893, 0.2997, 0.3391



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.



27.9593, 0.2777, 0.3613



48.6388, 0.2710, 0.3703



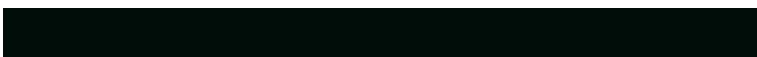
25.5804, 0.2618, 0.3126



6.9922, 0.3030, 0.3364



19.6447, 0.2547, 0.4368



0.3003, 0.2399, 0.3837

Inverse Universe

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



17.3821, 0.3674, 0.2993



26.6894, 0.3865, 0.2923



18.8540, 0.3893, 0.3446



6.2543, 0.3235, 0.3217



5.7933, 0.5609, 0.2864



0.0928, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 27.9582, 0.2777, 0.3613 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 27.9582, 0.2777, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

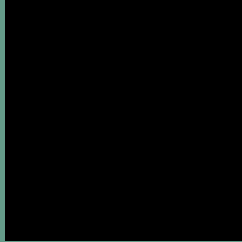
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9582, 0.2777, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 27.9582, 0.2777, 0.3613.



This preview shows how white text looks on a background with the Yxy color 27.9582, 0.2777, 0.3613.

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

27.9582, 0.2777, 0.3613

Protanopia

27.6732, 0.3313, 0.3485

Deuteranopia

27.7296, 0.3338, 0.3275



Tritanopia

27.8417, 0.2618, 0.3085

Trichromacy



Original Color

27.9582, 0.2777, 0.3613

Protanomaly

27.3862, 0.3095, 0.3528

Deuteranomaly

27.5182, 0.3112, 0.3389

Tritanomaly

27.7326, 0.2672, 0.3254

Monochromacy



Original Color

27.9582, 0.2777, 0.3613

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6334, 0.2986, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9582, 0.2777, 0.3613 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(100, 155, 137)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 137)  
}
```

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(100, 155, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 137) }
```

Border

The CSS property to change the border of an element to Yxy 27.9582, 0.2777, 0.3613 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(100, 155, 137) }
```

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

```
.border{ border-color:rgb(100, 155, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 137);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9582, 0.2777, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 137) }
```

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

```
.background{ background-color: rgb(100,  
155, 137) }
```

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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