

Converting Colors

$Y_{xy}(27.8425, 0.2562, 0.3150)$

Have a look what the booklet for
Yxy(27.8425, 0.2562, 0.3150)
contains.

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Color

$\text{Yxy}(27.8425, 0.2562, 0.3150)$

Conversions

Conversions Part 1

Format	Color
Hex	6099A1
RGB	96, 153, 161
RGB Percent	38%, 60%, 63%
CMY	0.6237, 0.4000, 0.3686
CMYK	0.40, 0.05, 0.00, 0.37
HSL	187°, 26%, 50%
HSV	187°, 40%, 63%
XYZ	22.6452, 27.8425, 37.9012
YIQ	136.8690, -36.5400, -9.5960

Conversions

Conversions Part 2

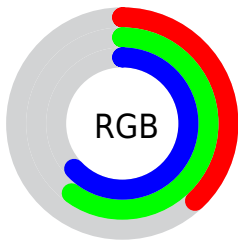
Format	Color
R_{YB}	96, 126, 161
Decimal	6330785
CIE _{Lab}	59.75, -16.52, -10.09
CIE _{LCh}	60, 19.363, 211.414
Yxy	27.8425, 0.2562, 0.3150
Android (android.graphics.Color)	4284520865 (0xFF6099A1)
YUV	136.8690, 11.8966, -35.8421
Hunter-Lab	52.7660, -15.7348, -5.6511

Details

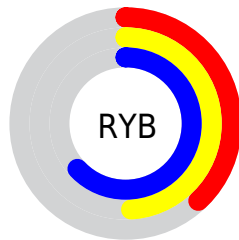
The Yxy color **27.8425, 0.2562, 0.3150** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3137, 0.4065, 0.3422**, and the grayscale version is **24.9262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0675, 0.2677, 0.3174**, and **11.1421, 0.2368, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **26.4156, 0.2449, 0.3110**, and if you desaturate by 10%, it is **29.4611, 0.2689, 0.3188**.

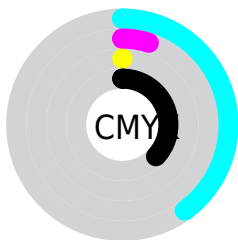
Distribution



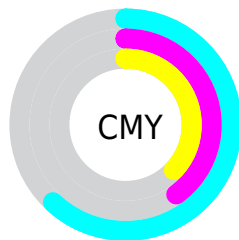
- Red (38%)
- Green (60%)
- Blue (63%)



- Red (38%)
- Yellow (49%)
- Blue (63%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (37%)



- Cyan (62%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8425, 0.2562, 0.3150 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 27.8425, 0.2562, 0.3150 by changing the saturation by 10% instead.

■ 27.8425, 0.2562,
0.3150

■ 27.8425, 0.2562,
0.3150

■ 291.7136, 0.2863,
0.3232

■ 18.2070, 0.2480,
0.3125

■ 56.2329, 0.2676,
0.3183

■ 11.0987, 0.2371,
0.3090

■ 75.7565, 0.2718,
0.3194

■ 6.1332, 0.2219,
0.3036

■ 99.3450, 0.2752,
0.3203

■ 2.9263, 0.1994,
0.2948

■ 127.3827, 0.2781,
0.3211

■ 1.0934, 0.1588,
0.2792

■ 160.2540, 0.2806,
0.3217

■ 0.0000, 0.0000,
0.0000

198.3433, 0.2828,

0.3223

242.0350, 0.2847,
0.3228

■ 27.8425, 0.2562,
0.3150

■ 27.8425, 0.2562,
0.3150

■ 26.4156, 0.2449,
0.3110

■ 29.4611, 0.2689,
0.3188

■ 25.1662, 0.2352,
0.3068

■ 31.2784, 0.2826,
0.3224

■ 24.0830, 0.2272,
0.3026

■ 33.3047, 0.2971,
0.3258

■ 23.1522, 0.2211,
0.2984

■ 35.5488, 0.3121,
0.3289

■ 22.3574, 0.2168,
0.2942

■ 38.0189, 0.3274,
0.3317

■ 21.6856, 0.2139,
0.2901

■ 40.7229, 0.3426,
0.3342

■ 43.6681, 0.3577,
0.3364

■ 46.8617, 0.3724,
0.3384

■ 50.3103, 0.3866,
0.3401

Harmonies

Analogous

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



27.8425, 0.2736, 0.3458



27.8425, 0.2562, 0.3150



27.8425, 0.2532, 0.2904

Triad

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



27.8425, 0.2562, 0.3150



27.8425, 0.3214, 0.2903



27.8425, 0.3613, 0.3818

Complementary

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



27.8425, 0.2562, 0.3150



18.3137, 0.4065, 0.3422

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.



27.8425, 0.3759, 0.3636



27.8425, 0.2562, 0.3150



27.8425, 0.3523, 0.3119

Square

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



27.8425, 0.2562, 0.3150



27.8425, 0.2894, 0.2779



27.8425, 0.3727, 0.3381



27.8425, 0.3339, 0.3860

Rectangle

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



27.8425, 0.2562, 0.3150



27.8425, 0.2595, 0.2804



27.8425, 0.3727, 0.3381



27.8425, 0.3679, 0.3770

Sweetspot

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



27.8436, 0.2562, 0.3150



58.9496, 0.2944, 0.3252



28.9669, 0.3013, 0.4355



12.8309, 0.2926, 0.3248



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.



27.8436, 0.2562, 0.3150



47.6664, 0.2465, 0.3116



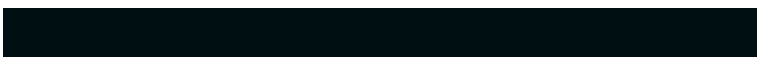
18.7073, 0.2471, 0.2557



7.8619, 0.2988, 0.3262



17.3582, 0.2140, 0.2905



0.4036, 0.2183, 0.3057

Inverse Universe

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



18.2366, 0.3274, 0.2424



28.4703, 0.3312, 0.2255



26.0502, 0.3858, 0.3923



7.1871, 0.3155, 0.3095



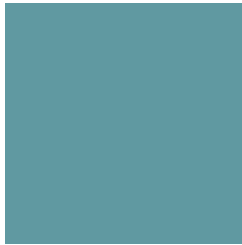
7.5964, 0.3539, 0.1723



0.1635, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 27.8425, 0.2562, 0.3150 looks on a white background.

Color Contrast Check

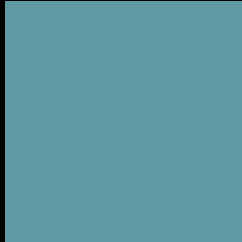
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8425, 0.2562, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

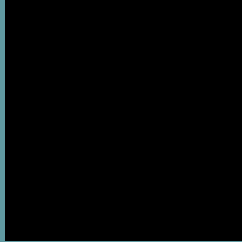
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8425, 0.2562, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 27.8425, 0.2562, 0.3150.

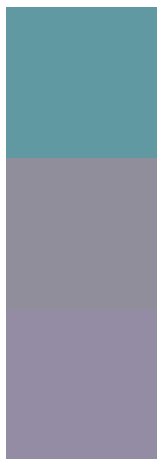


This preview shows how white text looks on a background with the Yxy color 27.8425, 0.2562, 0.3150.

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

27.8425, 0.2562, 0.3150

Protanopia

27.5187, 0.3021, 0.3098

Deuteranopia

27.7324, 0.2978, 0.2919



Tritanopia

27.7145, 0.2539, 0.3066

Trichromacy



Original Color

27.8425, 0.2562, 0.3150

Protanomaly

27.4277, 0.2829, 0.3107

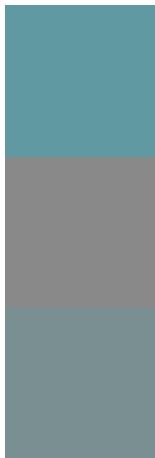
Deuteranomaly

27.5623, 0.2804, 0.2997

Tritanomaly

27.6782, 0.2546, 0.3082

Monochromacy



Original Color

27.8425, 0.2562, 0.3150

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8578, 0.2884, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8425, 0.2562, 0.3150 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(96, 153, 161) looks like.

```
.text, #text, p{  
    color:rgb(96, 153, 161)  
}
```

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(96, 153, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 153, 161) }
```

Border

The CSS property to change the border of an element to Yxy 27.8425, 0.2562, 0.3150 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(96, 153, 161) }
```

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

```
.border{ border-color:rgb(96, 153, 161) }
```

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

Here you see how a box with a 4 pixel rgb(96, 153, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 153, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 153, 161);  
box-shadow:4px 4px 4px 4px rgb(96, 153,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8425, 0.2562, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 153, 161) }
```

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

```
.background{ background-color: rgb(96, 153,  
161) }
```

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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