

Converting Colors

$Y_{xy}(27.1730, 0.3825, 0.5083)$

Have a look what the booklet for
Yxy(27.1730, 0.3825, 0.5083)
contains.

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Color

Yxy(27.1730, 0.3825, 0.5083)

Conversions

Conversions Part 1

Format	Color
Hex	809824
RGB	128, 152, 36
RGB Percent	50%, 60%, 14%
CMY	0.4981, 0.4039, 0.8587
CMYK	0.16, 0.00, 0.76, 0.40
HSL	72°, 62%, 37%
HSV	72°, 76%, 60%
XYZ	20.4479, 27.1730, 5.8377
YIQ	131.6000, 22.9320, -41.1640

Conversions

Conversions Part 2

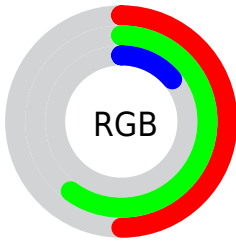
Format	Color
RYB	36, 152, 60
Decimal	8427556
CIELab	59.13, -24.26, 54.13
CIELCh	59, 59.313, 114.138
Yxy	27.1730, 0.3825, 0.5083
Android (android.graphics.Color)	4286617636 (0xFF809824)
YUV	131.6000, -47.1308, -3.1572
Hunter-Lab	52.1277, -21.2041, 29.8496

Details

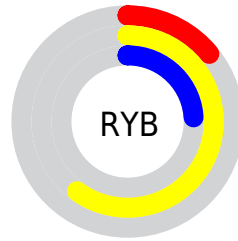
The Yxy color **27.1730, 0.3825, 0.5083** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.4921, 0.1908, 0.1050**, and the grayscale version is **23.0902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0711, 0.3741, 0.4717**, and **10.8032, 0.3769, 0.5389** is the 20% darker color. If you saturate the color by 10%, you get **26.8599, 0.3844, 0.5216**, and if you desaturate by 10%, it is **27.5356, 0.3781, 0.4908**.

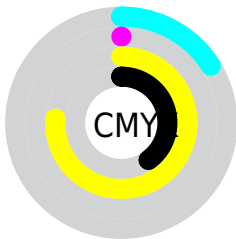
Distribution



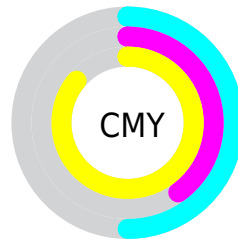
- Red (50%)
- Green (60%)
- Blue (14%)



- Red (14%)
- Yellow (60%)
- Blue (24%)



- Cyan (16%)
- Magenta (0%)
- Yellow (76%)
- Black (40%)





- Cyan (50%)
- Magenta (40%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1730, 0.3825, 0.5083 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 27.1730, 0.3825, 0.5083 by changing the saturation by 10% instead.


 27.1730, 0.3825,
0.5083


 27.1730, 0.3825,
0.5083


288.4938, 0.3518,
0.4107


 17.7032, 0.3863,
0.5330


 55.1614, 0.3736,
0.4719


 10.7371, 0.3877,
0.5634


 74.4487, 0.3694,
0.4584


 5.8903, 0.3893,
0.6107

 97.7773, 0.3656,
0.4471

 2.7785, 0.3602,
0.6398

 125.5316, 0.3622,
0.4375

 1.0172, 0.2662,
0.7338

 158.0961, 0.3592,
0.4293

 0.0000, 0.0000,
0.0000

 195.8550, 0.3564,

0.4223

239.1927, 0.3540,
0.4161

■ 27.1730, 0.3825,
0.5083

■ 27.1730, 0.3825,
0.5083

■ 26.8599, 0.3844,
0.5216

■ 27.5356, 0.3781,
0.4908

■ 26.5860, 0.3840,
0.5306

■ 27.9484, 0.3715,
0.4697

■ 26.4895, 0.3837,
0.5336

■ 28.4168, 0.3629,
0.4460

■ 28.9440, 0.3530,
0.4206

■ 29.5335, 0.3422,
0.3947

■ 30.1879, 0.3310,
0.3689

■ 30.9102, 0.3197,
0.3440

■ 31.7029, 0.3087,
0.3205

■ 32.5683, 0.2981,
0.2985

Harmonies

Analogous

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



27.1730, 0.4608, 0.4586



27.1730, 0.3825, 0.5083



27.1730, 0.2915, 0.4966

Triad

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



27.1730, 0.3825, 0.5083



27.1730, 0.1508, 0.2231



27.1730, 0.4112, 0.2618

Complementary

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



27.1730, 0.3825, 0.5083



4.4921, 0.1908, 0.1050

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.



27.1730, 0.3089, 0.2146



27.1730, 0.3825, 0.5083



27.1730, 0.1709, 0.1903

Square

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



27.1730, 0.3825, 0.5083



27.1730, 0.1629, 0.2966



27.1730, 0.2234, 0.1893



27.1730, 0.4881, 0.3230

Rectangle

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



27.1730, 0.3825, 0.5083



27.1730, 0.2351, 0.4424



27.1730, 0.2234, 0.1893



27.1730, 0.3774, 0.2441

Sweetspot

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



27.1742, 0.3825, 0.5083



52.4432, 0.3391, 0.3873



9.9539, 0.5377, 0.3605



11.8349, 0.3428, 0.3960



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.



27.1742, 0.3825, 0.5083



47.0399, 0.3843, 0.5286



23.9185, 0.3242, 0.5487



7.1583, 0.3230, 0.3512



22.2225, 0.3839, 0.5334



0.3467, 0.4008, 0.5199

Inverse Universe

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



4.4921, 0.1908, 0.1050



5.1234, 0.1675, 0.0736



7.3268, 0.2659, 0.1426



6.0849, 0.3019, 0.3062



2.1626, 0.1620, 0.0666



0.0455, 0.1982, 0.0865

Previews

White Background



This preview shows how the Yxy color 27.1730, 0.3825, 0.5083 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 27.1730, 0.3825, 0.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

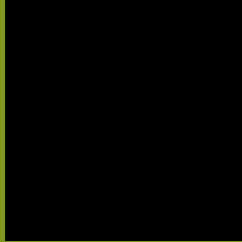
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1730, 0.3825, 0.5083

Background



This preview shows how black text looks on a background with the Yxy color 27.1730, 0.3825, 0.5083.



This preview shows how white text looks on a background with the Yxy color 27.1730, 0.3825, 0.5083.

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

27.1730, 0.3825, 0.5083

Protanopia

26.9351, 0.4305, 0.4741

Deuteranopia

26.9748, 0.4535, 0.4452



Tritanopia

27.2214, 0.3000, 0.3112

Trichromacy



Original Color

27.1730, 0.3825, 0.5083

Protanomaly

26.9750, 0.4117, 0.4872

Deuteranomaly

26.6834, 0.4280, 0.4676

Tritanomaly

26.9178, 0.3375, 0.3908

Monochromacy



Original Color

27.1730, 0.3825, 0.5083

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.1536, 0.3471, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1730, 0.3825, 0.5083 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(128, 152, 36)` looks like.

```
.text, #text, p{  
    color:rgb(128, 152, 36)  
}
```

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(128, 152, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 152, 36) }
```

Border

The CSS property to change the border of an element to Yxy 27.1730, 0.3825, 0.5083 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(128, 152, 36) }
```

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

```
.border{ border-color:rgb(128, 152, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 152, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 152, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 152, 36);  
box-shadow:4px 4px 4px 4px rgb(128, 152,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1730, 0.3825, 0.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 152, 36) }
```

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

```
.background{ background-color: rgb(128,  
152, 36) }
```

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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