

Converting Colors

$Y_{xy}(27.7111, 0.4138, 0.4546)$

Have a look what the booklet for
Yxy(27.7111, 0.4138, 0.4546)
contains.

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Color

Yxy(27.7256, 0.4138, 0.4546)

Conversions

Conversions Part 1

Format	Color
Hex	A0903A
RGB	160, 144, 58
RGB Percent	63%, 56%, 23%
CMY	0.3725, 0.4353, 0.7725
CMYK	0.00, 0.10, 0.64, 0.37
HSL	51°, 47%, 43%
HSV	51°, 64%, 63%
XYZ	25.2372, 27.7256, 8.0262
YIQ	138.9800, 37.1420, -23.3540

Conversions

Conversions Part 2

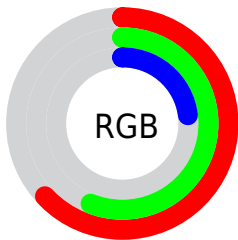
Format	Color
RYB	77, 160, 58
Decimal	10522682
CIELab	59.64, -4.67, 46.56
CIELCh	60, 46.789, 95.722
Yxy	27.7256, 0.4138, 0.4546
Android (android.graphics.Color)	4288712762 (0xFFA0903A)
YUV	138.9800, -39.9231, 18.4345
Hunter-Lab	52.6551, -6.5925, 27.8211

Details

The Yxy color **27.7256, 0.4138, 0.4546** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.3411, 0.1982, 0.1568**, and the grayscale version is **25.9585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2440, 0.3954, 0.4313**, and **11.0109, 0.4374, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **26.8356, 0.4269, 0.4673**, and if you desaturate by 10%, it is **28.6858, 0.3989, 0.4385**.

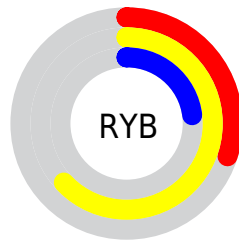
Distribution



Red (63%)

Green (56%)

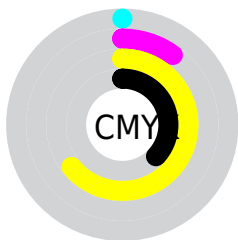
Blue (23%)



Red (30%)

Yellow (63%)

Blue (23%)

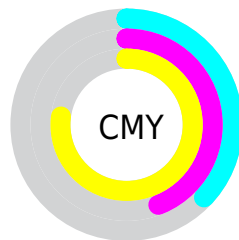


Cyan (0%)

Magenta (10%)

Yellow (64%)

Black (37%)



Cyan (37%)

Magenta (44%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7256, 0.4138, 0.4546 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 27.7256, 0.4138, 0.4546 by changing the saturation by 10% instead.

■ 27.7256, 0.4138,
0.4546

■ 27.7256, 0.4138,
0.4546

■ 291.1534, 0.3626,
0.3890

■ 18.1189, 0.4253,
0.4703

■ 56.0461, 0.3958,
0.4308

■ 11.0354, 0.4383,
0.4891

■ 75.5286, 0.3887,
0.4218

■ 6.0906, 0.4567,
0.5164

■ 99.0719, 0.3827,
0.4142

■ 2.9003, 0.4642,
0.5358

■ 127.0603, 0.3775,
0.4077

■ 1.0799, 0.4551,
0.5449

■ 159.8783, 0.3731,
0.4020

■ 0.0000, 0.0000,
0.0000

■ 197.9102, 0.3691,

0.3971

241.5405, 0.3657,
0.3928

■ 27.7256, 0.4138,
0.4546

■ 27.7256, 0.4138,
0.4546

■ 26.8356, 0.4269,
0.4673

■ 28.6858, 0.3989,
0.4385

■ 26.0070, 0.4375,
0.4758

■ 29.7165, 0.3827,
0.4197

■ 25.2349, 0.4455,
0.4799

■ 30.8231, 0.3661,
0.3994

■ 24.7715, 0.4497,
0.4812

■ 32.0092, 0.3495,
0.3782

■ 33.2779, 0.3334,
0.3571

■ 34.6323, 0.3182,
0.3365

■ 36.0755, 0.3039,
0.3168

■ 37.6101, 0.2908,
0.2983

■ 39.2387, 0.2788,
0.2811

Harmonies

Analogous

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



27.7256, 0.4588, 0.4064



27.7256, 0.4138, 0.4546



27.7256, 0.3450, 0.4720

Triad

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



27.7256, 0.4138, 0.4546



27.7256, 0.1830, 0.2792



27.7256, 0.3419, 0.2488

Complementary

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



27.7256, 0.4138, 0.4546



8.3411, 0.1982, 0.1568

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.



27.7256, 0.2657, 0.2196



27.7256, 0.4138, 0.4546



27.7256, 0.1826, 0.2306

Square

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



27.7256, 0.4138, 0.4546



27.7256, 0.2132, 0.3561



27.7256, 0.2105, 0.2122



27.7256, 0.4179, 0.2946

Rectangle

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



27.7256, 0.4138, 0.4546



27.7256, 0.2953, 0.4537



27.7256, 0.2105, 0.2122



27.7256, 0.3151, 0.2369

Sweetspot

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



27.7269, 0.4138, 0.4546



59.0942, 0.3424, 0.3689



11.0114, 0.4779, 0.3044



12.8261, 0.3468, 0.3747



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.



27.7269, 0.4138, 0.4546



48.1410, 0.4311, 0.4710



29.8906, 0.3630, 0.4944



7.5428, 0.3264, 0.3477



19.3443, 0.4493, 0.4814



0.3893, 0.4357, 0.4923

Inverse Universe

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



8.3411, 0.1982, 0.1568



10.3429, 0.1761, 0.1185



7.8426, 0.2263, 0.1446



6.5952, 0.2988, 0.3096



2.5675, 0.1544, 0.0757



0.0875, 0.1693, 0.1295

Previews

White Background



This preview shows how the Yxy color 27.7256, 0.4138, 0.4546 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 27.7256, 0.4138, 0.4546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

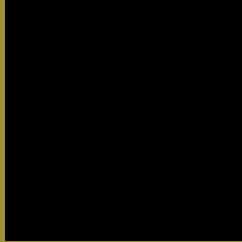
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7256, 0.4138, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 27.7256, 0.4138, 0.4546.



This preview shows how white text looks on a background with the Yxy color 27.7256, 0.4138, 0.4546.

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

27.7256, 0.4138, 0.4546

Protanopia

27.7256, 0.4138, 0.4546

Deuteranopia

27.6825, 0.4398, 0.4329



Tritanopia

27.7281, 0.3383, 0.3126

Trichromacy



Original Color

27.7256, 0.4138, 0.4546

Protanomaly

27.7256, 0.4138, 0.4546

Deuteranomaly

27.7299, 0.4296, 0.4418

Tritanomaly

27.3912, 0.3696, 0.3663

Monochromacy



Original Color

27.7256, 0.4138, 0.4546

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.3786, 0.3516, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7256, 0.4138, 0.4546 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(160, 144, 58)` looks like.

```
.text, #text, p{  
    color:rgb(160, 144, 58)  
}
```

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(160, 144, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 144, 58) }
```

Border

The CSS property to change the border of an element to Yxy 27.7256, 0.4138, 0.4546 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(160, 144, 58) }
```

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

```
.border{ border-color:rgb(160, 144, 58) }
```

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

Here you see how a box with a 4 pixel rgb(160, 144, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 144, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 144, 58);  
box-shadow:4px 4px 4px 4px rgb(160, 144,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7256, 0.4138, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 144, 58) }
```

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

```
.background{ background-color: rgb(160,  
144, 58) }
```

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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