

Converting Colors

$Y_{xy}(29.1353, 0.4176, 0.4453)$

Have a look what the booklet for
Yxy(29.1353, 0.4176, 0.4453)
contains.

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Color

Yxy(29.2528, 0.4166, 0.4455)

Conversions

Conversions Part 1

Format	Color
Hex	A89240
RGB	168, 146, 64
RGB Percent	66%, 57%, 25%
CMY	0.3411, 0.4275, 0.7490
CMYK	0.00, 0.13, 0.62, 0.34
HSL	47°, 45%, 45%
HSV	47°, 62%, 66%
XYZ	27.3551, 29.2528, 9.0549
YIQ	143.2300, 39.4340, -20.8380

Conversions

Conversions Part 2

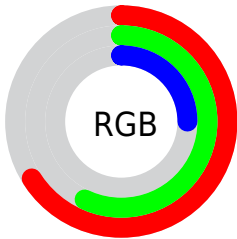
Format	Color
R_{YB}	92, 168, 64
Decimal	11047488
CIE _{Lab}	61.00, -1.80, 45.47
CIE _{LCh}	61, 45.503, 92.261
Yxy	29.2528, 0.4166, 0.4455
Android (android.graphics.Color)	4289237568 (0xFFA89240)
YUV	143.2300, -39.0604, 21.7233
Hunter-Lab	54.0859, -4.3698, 27.9339

Details

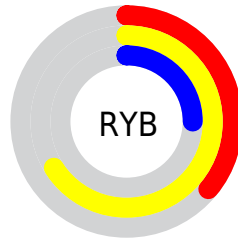
The Yxy color **29.2528, 0.4166, 0.4455** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.5760, 0.2034, 0.1719**, and the grayscale version is **27.7136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5539, 0.3971, 0.4243**, and **11.8984, 0.4428, 0.4769** is the 20% darker color. If you saturate the color by 10%, you get **28.0114, 0.4319, 0.4581**, and if you desaturate by 10%, it is **30.5887, 0.3998, 0.4296**.

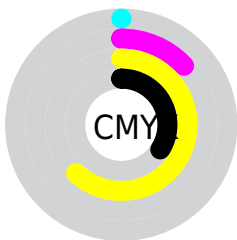
Distribution



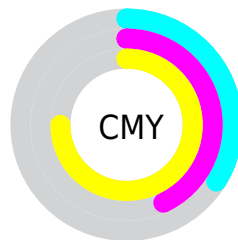
- Red (66%)
- Green (57%)
- Blue (25%)



- Red (36%)
- Yellow (66%)
- Blue (25%)



- Cyan (0%)
- Magenta (13%)
- Yellow (62%)
- Black (34%)




- Cyan (34%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2528, 0.4166, 0.4455 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 29.2528, 0.4166, 0.4455 by changing the saturation by 10% instead.

 29.2528, 0.4166,
0.4455


 29.2528, 0.4166,
0.4455


298.4059, 0.3637,
0.3856

 19.2721, 0.4288,
0.4596


 58.4785, 0.3978,
0.4240


 11.8671, 0.4430,
0.4765


 78.4923, 0.3906,
0.4157


 6.6532, 0.4606,
0.4977


 102.6193, 0.3844,
0.4088

 3.2462, 0.4788,
0.5212

 131.2439, 0.3791,
0.4028

 1.2616, 0.4757,
0.5243

 164.7505, 0.3745,
0.3976

 0.1112, 0.3574,
0.6426

203.5234, 0.3704,

 0.0000, 0.0000,

0.3931

0.0000

247.9471, 0.3669,
0.3891

■ 29.2528, 0.4166,
0.4455

■ 29.2528, 0.4166,
0.4455

■ 28.0114, 0.4319,
0.4581

■ 30.5887, 0.3998,
0.4296

■ 26.8547, 0.4449,
0.4666

■ 32.0199, 0.3822,
0.4114

■ 25.7775, 0.4553,
0.4706

■ 33.5523, 0.3645,
0.3918

■ 24.9521, 0.4621,
0.4713

■ 35.1902, 0.3472,
0.3717

■ 36.9372, 0.3308,
0.3518

■ 38.7971, 0.3155,
0.3326

■ 40.7731, 0.3014,
0.3143

■ 42.8686, 0.2885,
0.2972

■ 45.0866, 0.2769,
0.2813

Harmonies

Analogous

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



29.2528, 0.4554, 0.3980



29.2528, 0.4166, 0.4455



29.2528, 0.3525, 0.4658

Triad

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



29.2528, 0.4166, 0.4455



29.2528, 0.1899, 0.2891



29.2528, 0.3319, 0.2477

Complementary

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



29.2528, 0.4166, 0.4455



10.5760, 0.2034, 0.1719

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.



29.2528, 0.2604, 0.2217



29.2528, 0.4166, 0.4455



29.2528, 0.1861, 0.2386

Square

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



29.2528, 0.4166, 0.4455



29.2528, 0.2226, 0.3644



29.2528, 0.2100, 0.2174



29.2528, 0.4058, 0.2905

Rectangle

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



29.2528, 0.4166, 0.4455



29.2528, 0.3047, 0.4523



29.2528, 0.2100, 0.2174



29.2528, 0.3066, 0.2368

Sweetspot

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



29.2542, 0.4166, 0.4455



64.6372, 0.3429, 0.3666



12.6740, 0.4612, 0.2969



13.9030, 0.3475, 0.3721



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.2542, 0.4166, 0.4455



50.0798, 0.4367, 0.4615



33.8307, 0.3676, 0.4877



8.5002, 0.3267, 0.3467



18.9151, 0.4616, 0.4717



0.5260, 0.4453, 0.4847

Inverse Universe

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



10.5760, 0.2034, 0.1719



13.5457, 0.1816, 0.1345



8.8465, 0.2231, 0.1466



7.5484, 0.2986, 0.3107



3.1309, 0.1567, 0.0841



0.1457, 0.1729, 0.1426

Previews

White Background



This preview shows how the Yxy color 29.2528, 0.4166, 0.4455 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 29.2528, 0.4166, 0.4455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

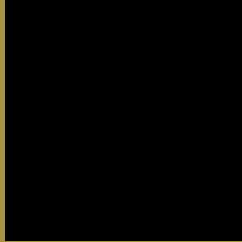
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2528, 0.4166, 0.4455

Background



This preview shows how black text looks on a background with the Yxy color 29.2528, 0.4166, 0.4455.



This preview shows how white text looks on a background with the Yxy color 29.2528, 0.4166, 0.4455.

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

29.2528, 0.4166, 0.4455

Protanopia

29.4425, 0.4103, 0.4503

Deuteranopia

29.0946, 0.4364, 0.4281



Tritanopia

29.1434, 0.3435, 0.3131

Trichromacy



Original Color

29.2528, 0.4166, 0.4455

Protanomaly

29.2369, 0.4123, 0.4485

Deuteranomaly

29.0748, 0.4297, 0.4344

Tritanomaly

28.8112, 0.3736, 0.3636

Monochromacy



Original Color

29.2528, 0.4166, 0.4455

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.8368, 0.3521, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2528, 0.4166, 0.4455 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(168, 146, 64)` looks like.

```
.text, #text, p{  
    color:rgb(168, 146, 64)  
}
```

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(168, 146, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 146, 64) }
```

Border

The CSS property to change the border of an element to Yxy 29.2528, 0.4166, 0.4455 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(168, 146, 64) }
```

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

```
.border{ border-color:rgb(168, 146, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 146, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 146, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 146, 64);  
box-shadow:4px 4px 4px 4px rgb(168, 146,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2528, 0.4166, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 146, 64) }
```

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

```
.background{ background-color: rgb(168,  
146, 64) }
```

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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