

Converting Colors

$Y_{xy}(29.5060, 0.3254, 0.3807)$

Have a look what the booklet for
Yxy(29.5060, 0.3254, 0.3807)
contains.

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Color

Yxy(29.5060, 0.3254, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	89997A
RGB	137, 153, 122
RGB Percent	54%, 60%, 48%
CMY	0.4628, 0.4000, 0.5216
CMYK	0.10, 0.00, 0.20, 0.40
HSL	91°, 13%, 54%
HSV	91°, 20%, 60%
XYZ	25.2200, 29.5060, 22.7786
YIQ	144.6820, 0.4150, -13.0330

Conversions

Conversions Part 2

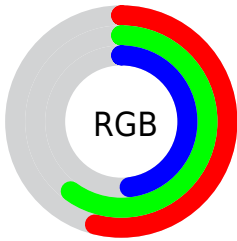
Format	Color
R_{YB}	122, 153, 138
Decimal	9017722
CIE _{Lab}	61.23, -11.57, 14.42
CIE _{LCh}	61, 18.490, 128.749
Yxy	29.5060, 0.3254, 0.3807
Android (android.graphics.Color)	4287207802 (0xFF89997A)
YUV	144.6820, -11.1822, -6.7371
Hunter-Lab	54.3194, -12.1831, 13.1606

Details

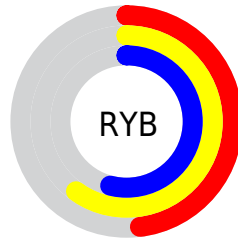
The Yxy color $29.5060, 0.3254, 0.3807$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $21.6240, 0.2977, 0.2776$, and the grayscale version is $28.2260, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.7580, 0.3238, 0.3698$, and $12.0100, 0.3295, 0.4004$ is the 20% darker color. If you saturate the color by 10%, you get $28.5139, 0.3313, 0.4089$, and if you desaturate by 10%, it is $30.6093, 0.3192, 0.3541$.

Distribution



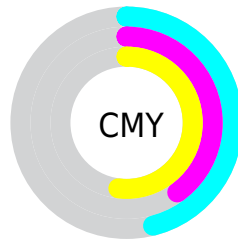
- Red (54%)
- Green (60%)
- Blue (48%)



- Red (48%)
- Yellow (60%)
- Blue (54%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)




- Cyan (46%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5060, 0.3254, 0.3807 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 29.5060, 0.3254, 0.3807 by changing the saturation by 10% instead.


 29.5060, 0.3254,
0.3807


 29.5060, 0.3254,
0.3807


299.5950, 0.3189,
0.3522


 19.4639, 0.3270,
0.3888


 58.8801, 0.3230,
0.3697

 12.0060, 0.3291,
0.3999


 78.9808, 0.3222,
0.3657

 6.7478, 0.3317,
0.4159


 103.2033, 0.3214,
0.3625

 3.3049, 0.3350,
0.4412

131.9319, 0.3208,
0.3598

 1.2929, 0.3546,
0.5094

165.5510, 0.3202,
0.3575

 0.1357, 0.0000,
1.0000

204.4449, 0.3197,

 0.0000, 0.0000,

0.3555

0.0000

248.9981, 0.3193,
0.3538

■ 29.5060, 0.3254,
0.3807

■ 29.5060, 0.3254,
0.3807

■ 28.5139, 0.3313,
0.4089

■ 30.6093, 0.3192,
0.3541

■ 27.6253, 0.3365,
0.4382

■ 31.8236, 0.3129,
0.3296

■ 26.8374, 0.3406,
0.4676

■ 33.1535, 0.3067,
0.3073

■ 26.1459, 0.3433,
0.4959

■ 34.6024, 0.3007,
0.2871

■ 25.5458, 0.3442,
0.5216

■ 36.1733, 0.2950,
0.2690

■ 25.0319, 0.3430,
0.5433

■ 37.8693, 0.2896,
0.2529

■ 24.5982, 0.3398,
0.5598

■ 39.6933, 0.2846,
0.2385

■ 24.2397, 0.3354,
0.5719

■ 41.6481, 0.2799,
0.2257

■ 43.4294, 0.2788,
0.2183

Harmonies

Analogous

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



29.5060, 0.3529, 0.3808



29.5060, 0.3254, 0.3807



29.5060, 0.2954, 0.3646

Triad

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



29.5060, 0.3254, 0.3807



29.5060, 0.2582, 0.2888



29.5060, 0.3557, 0.3188

Complementary

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



29.5060, 0.3254, 0.3807



21.6240, 0.2977, 0.2776

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.



29.5060, 0.3284, 0.2970



29.5060, 0.3254, 0.3807



29.5060, 0.2726, 0.2796

Square

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



29.5060, 0.3254, 0.3807



29.5060, 0.2576, 0.3096



29.5060, 0.2979, 0.2829



29.5060, 0.3712, 0.3438

Rectangle

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



29.5060, 0.3254, 0.3807



29.5060, 0.2781, 0.3473



29.5060, 0.2979, 0.2829



29.5060, 0.3475, 0.3109

Sweetspot

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



29.5073, 0.3254, 0.3807



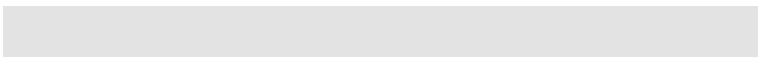
55.6902, 0.3166, 0.3437



26.2128, 0.3469, 0.3542



12.2694, 0.3169, 0.3452



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.



29.5073, 0.3254, 0.3807



52.0678, 0.3279, 0.3924



28.3271, 0.3102, 0.3832



7.0648, 0.3185, 0.3515



20.0520, 0.3359, 0.5715



0.3213, 0.3695, 0.5448

Inverse Universe

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



21.6240, 0.2977, 0.2776



35.5135, 0.2940, 0.2660



22.9925, 0.3150, 0.2802



6.1753, 0.3065, 0.3066



3.2950, 0.2077, 0.0918



0.0709, 0.2548, 0.1177

Previews

White Background



This preview shows how the Yxy color 29.5060, 0.3254, 0.3807 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 29.5060, 0.3254, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

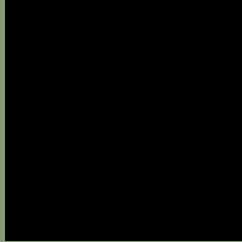
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5060, 0.3254, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 29.5060, 0.3254, 0.3807.



This preview shows how white text looks on a background with the Yxy color 29.5060, 0.3254, 0.3807.

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

29.5060, 0.3254, 0.3807

Protanopia

29.2673, 0.3505, 0.3733

Deuteranopia

29.3473, 0.3628, 0.3562



Tritanopia

29.5575, 0.2966, 0.3102

Trichromacy



Original Color

29.5060, 0.3254, 0.3807

Protanomaly

29.2405, 0.3411, 0.3759

Deuteranomaly

29.2569, 0.3489, 0.3651

Tritanomaly

29.5507, 0.3074, 0.3354

Monochromacy



Original Color

29.5060, 0.3254, 0.3807

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.7367, 0.3171, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5060, 0.3254, 0.3807 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(137, 153, 122)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 122)  
}
```

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(137, 153, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 122) }
```

Border

The CSS property to change the border of an element to Yxy 29.5060, 0.3254, 0.3807 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(137, 153, 122) }
```

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

```
.border{ border-color:rgb(137, 153, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 153, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 122);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5060, 0.3254, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 122) }
```

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

```
.background{ background-color: rgb(137,  
153, 122) }
```

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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