

Converting Colors

$Y_{xy}(30.2472, 0.2787, 0.3087)$

Have a look what the booklet for
Yxy(30.2472, 0.2787, 0.3087)
contains.

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Color

Yxy(30.2028, 0.2789, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	8199A6
RGB	129, 153, 166
RGB Percent	51%, 60%, 65%
CMY	0.4940, 0.4000, 0.3490
CMYK	0.22, 0.08, 0.00, 0.35
HSL	201°, 17%, 58%
HSV	201°, 22%, 65%
XYZ	27.3315, 30.2028, 40.4631
YIQ	147.3060, -18.4770, -1.0450

Conversions

Conversions Part 2

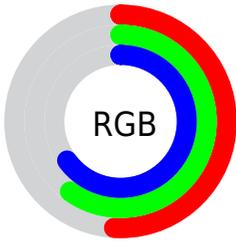
Format	Color
RYB	129, 144, 166
Decimal	8493478
CIELab	61.83, -5.45, -9.60
CIElCh	62, 11.039, 240.444
Yxy	30.2028, 0.2789, 0.3082
Android (android.graphics.Color)	4286683558 (0xFF8199A6)
YUV	147.3060, 9.2161, -16.0544
Hunter-Lab	54.9571, -7.4025, -5.1834

Details

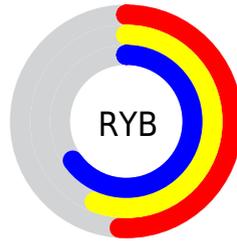
The Yxy color **30.2028, 0.2789, 0.3082** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0512, 0.3527, 0.3489**, and the grayscale version is **29.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7912, 0.2854, 0.3122**, and **12.3799, 0.2678, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **27.1423, 0.2638, 0.2974**, and if you desaturate by 10%, it is **33.5705, 0.2942, 0.3181**.

Distribution



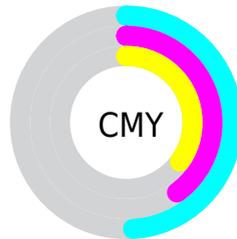
- Red (51%)
- Green (60%)
- Blue (65%)



- Red (51%)
- Yellow (56%)
- Blue (65%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)



- Cyan (49%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2028, 0.2789, 0.3082 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 30.2028, 0.2789, 0.3082 by changing the saturation by 10% instead.

■ 30.2028, 0.2789,
0.3082

■ 30.2028, 0.2789,
0.3082

■ 302.8486, 0.2969,
0.3195

■ 19.9926, 0.2741,
0.3051

■ 59.9827, 0.2857,
0.3125

■ 12.3896, 0.2676,
0.3008

■ 80.3213, 0.2882,
0.3141

■ 7.0096, 0.2586,
0.2948

■ 104.8046, 0.2902,
0.3154

■ 3.4681, 0.2451,
0.2855

■ 133.8173, 0.2920,
0.3165

■ 1.3807, 0.2229,
0.2696

■ 167.7436, 0.2934,
0.3174

■ 0.2025, 0.0516,
0.1755

■ 206.9680, 0.2947,

■ 0.0000, 0.0000,

0.3182

0.0000

251.8749, 0.2959,
0.3189

■ 30.2028, 0.2789,
0.3082

■ 30.2028, 0.2789,
0.3082

■ 27.1423, 0.2638,
0.2974

■ 33.5705, 0.2942,
0.3181

■ 24.3739, 0.2493,
0.2858

■ 37.2526, 0.3093,
0.3271

■ 21.8863, 0.2356,
0.2734

■ 41.2604, 0.3242,
0.3352

■ 19.6662, 0.2231,
0.2605

■ 45.6037, 0.3386,
0.3424

■ 17.6987, 0.2122,
0.2473

■ 50.2915, 0.3524,
0.3487

■ 15.9669, 0.2032,
0.2339

■ 55.3329, 0.3655,
0.3544

■ 14.4510, 0.1963,
0.2207

■ 60.7362, 0.3779,
0.3593

■ 13.3930, 0.1918,
0.2105

■ 65.1896, 0.3840,
0.3643

■ 67.9416, 0.3819,
0.3702

Harmonies

Analogous

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



30.2028, 0.2810, 0.3223



30.2028, 0.2789, 0.3082



30.2028, 0.2855, 0.3002

Triad

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



30.2028, 0.2789, 0.3082



30.2028, 0.3342, 0.3191



30.2028, 0.3254, 0.3601

Complementary

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



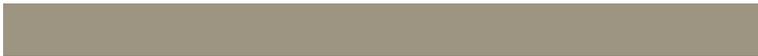
30.2028, 0.2789, 0.3082



29.0512, 0.3527, 0.3489

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.



30.2028, 0.3402, 0.3582



30.2028, 0.2789, 0.3082



30.2028, 0.3455, 0.3342

Square

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



30.2028, 0.2789, 0.3082



30.2028, 0.3172, 0.3066



30.2028, 0.3477, 0.3486



30.2028, 0.3075, 0.3530

Rectangle

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



30.2028, 0.2789, 0.3082



30.2028, 0.2941, 0.2990



30.2028, 0.3477, 0.3486



30.2028, 0.3310, 0.3605

Sweetspot

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



30.2040, 0.2789, 0.3082



64.2880, 0.3020, 0.3228



33.8935, 0.2993, 0.3679



14.3025, 0.3011, 0.3223



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.



30.2040, 0.2789, 0.3082



51.8414, 0.2710, 0.3027



24.6355, 0.2767, 0.2777



8.0812, 0.2987, 0.3209



10.4763, 0.1922, 0.2117



0.3455, 0.2042, 0.2550

Inverse Universe

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



26.1176, 0.3293, 0.2932



43.2377, 0.3341, 0.2844



34.9915, 0.3471, 0.3756



7.6211, 0.3189, 0.3145



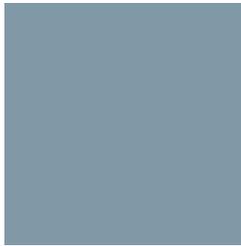
7.1286, 0.4322, 0.2155



0.1826, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 30.2028, 0.2789, 0.3082 looks on a white background.

Color Contrast Check

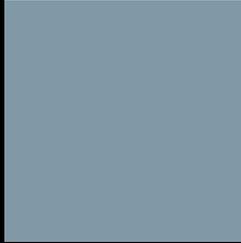
Large Text (above 18pt) WCAG AA × Fail

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 30.2028, 0.2789, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

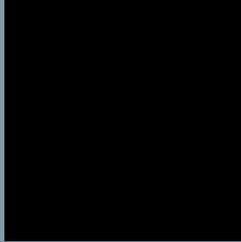
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

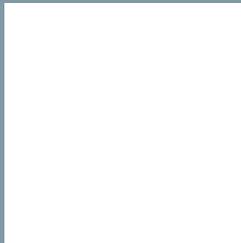
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2028, 0.2789, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 30.2028, 0.2789, 0.3082.



This preview shows how white text looks on a background with the Yxy color 30.2028, 0.2789, 0.3082.

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

30.2028, 0.2789, 0.3082

Protanopia

30.1201, 0.2988, 0.3060

Deuteranopia

30.0465, 0.3011, 0.2946



Tritanopia

30.1662, 0.2797, 0.3098

Trichromacy



Original Color

30.2028, 0.2789, 0.3082

Protanomaly

30.1557, 0.2912, 0.3071

Deuteranomaly

30.0808, 0.2933, 0.2999

Tritanomaly

30.1662, 0.2797, 0.3098

Monochromacy



Original Color

30.2028, 0.2789, 0.3082

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.4034, 0.2991, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2028, 0.2789, 0.3082 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(129, 153, 166)` looks like.

```
.text, #text, p{  
    color:rgb(129, 153, 166)  
}
```

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(129, 153, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 153, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.2028, 0.2789, 0.3082 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(129, 153, 166) }
```

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

```
.border{ border-color:rgb(129, 153, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 153, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 153, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 153, 166);  
box-shadow:4px 4px 4px 4px rgb(129, 153,  
166) }
```

Background

The CSS property to change the background color of an element to Yxy 30.2028, 0.2789, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 153, 166) }
```

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

```
.background{ background-color: rgb(129,  
153, 166) }
```

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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