

Converting Colors

$Yxy(28.1374, 0.2389, 0.3062)$

Have a look what the booklet for
Yxy(28.1374, 0.2389, 0.3062)
contains.

Yxy(28.1374, 0.2389, 0.3062)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.1374, 0.2389, 0.3062)$

Conversions

Conversions Part 1

Format	Color
Hex	4B9CA9
RGB	75, 156, 169
RGB Percent	29%, 61%, 66%
CMY	0.7057, 0.3882, 0.3373
CMYK	0.56, 0.08, 0.00, 0.34
HSL	188°, 38%, 48%
HSV	188°, 56%, 66%
XYZ	21.9531, 28.1374, 41.8018
YIQ	133.2630, -52.4490, -13.1290

Conversions

Conversions Part 2

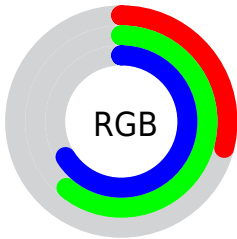
Format	Color
R _Y B	75, 119, 169
Decimal	4955305
CIE Lab	60.01, -20.86, -14.30
CIE LCh	60, 25.296, 214.431
Yxy	28.1374, 0.2389, 0.3062
Android (android.graphics.Color)	4283145385 (0xFF4B9CA9)
YUV	133.2630, 17.6183, -51.0967
Hunter-Lab	53.0447, -18.9543, -9.5921




Details

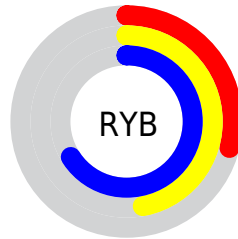
The Yxy color **28.1374, 0.2389, 0.3062** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.9275, 0.4624, 0.3487**, and the grayscale version is **23.5099, 0.3127, 0.3290**.




A 20% lighter version of the original color is **56.8759, 0.2539, 0.3122**, and **11.1850, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **26.7682, 0.2299, 0.3014**, and if you desaturate by 10%, it is **29.7049, 0.2496, 0.3108**.

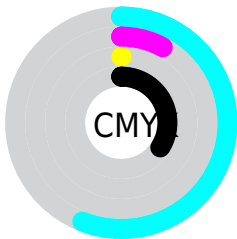
Distribution







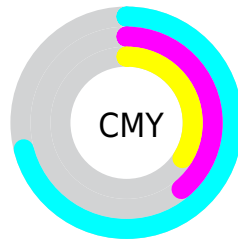
-  Red (29%)
-  Green (61%)
-  Blue (66%)






-  Red (29%)
-  Yellow (47%)
-  Blue (66%)



-  Cyan (56%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (34%)





-  Cyan (71%)
-  Magenta (39%)
-  Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1374, 0.2389, 0.3062 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 28.1374, 0.2389, 0.3062 by changing the saturation by 10% instead.


 28.1374, 0.2389,
0.3062


 28.1374, 0.2389,
0.3062


293.1229, 0.2779,
0.3195


 18.4293, 0.2285,
0.3022


 56.7037, 0.2535,
0.3115


 11.2586, 0.2149,
0.2965


 76.3307, 0.2589,
0.3134

 6.2411, 0.1962,
0.2881


 100.0328, 0.2634,
0.3149

 2.9922, 0.1691,
0.2744

 128.1943, 0.2671,
0.3161

 1.1277, 0.1212,
0.2512

 161.1997, 0.2704,
0.3172

 0.0014, 0.0000,
0.0014

199.4333, 0.2732,

 0.0000, 0.0000,

0.3180

0.0000

243.2796, 0.2757,
0.3188

■ 28.1374, 0.2389,
0.3062

■ 28.1374, 0.2389,
0.3062

■ 26.7682, 0.2299,
0.3014

■ 29.7049, 0.2496,
0.3108

■ 25.5792, 0.2227,
0.2966

■ 31.4805, 0.2618,
0.3153

■ 24.5545, 0.2174,
0.2918

■ 33.4773, 0.2751,
0.3195

■ 23.6723, 0.2138,
0.2870

■ 35.7062, 0.2894,
0.3235

■ 23.3059, 0.2125,
0.2849

■ 38.1776, 0.3042,
0.3271

■ 40.9009, 0.3195,
0.3304

■ 43.8852, 0.3347,
0.3334

■ 47.1391, 0.3499,
0.3361

■ 50.6707, 0.3648,
0.3385

Harmonies

Analogous

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



28.1374, 0.2590, 0.3465



28.1374, 0.2389, 0.3062



28.1374, 0.2371, 0.2762

Triad

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



28.1374, 0.2389, 0.3062



28.1374, 0.3279, 0.2819



28.1374, 0.3724, 0.3989

Complementary

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



28.1374, 0.2389, 0.3062



15.9275, 0.4624, 0.3487

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.



28.1374, 0.3939, 0.3756



28.1374, 0.2389, 0.3062



28.1374, 0.3678, 0.3098

Square

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



28.1374, 0.2389, 0.3062



28.1374, 0.2861, 0.2648



28.1374, 0.3926, 0.3432



28.1374, 0.3354, 0.4035

Rectangle

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



28.1374, 0.2389, 0.3062



28.1374, 0.2462, 0.2650



28.1374, 0.3926, 0.3432



28.1374, 0.3818, 0.3928

Sweetspot

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



28.1385, 0.2389, 0.3062



63.2449, 0.2869, 0.3228



30.5655, 0.2969, 0.4817



13.6152, 0.2841, 0.3221



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.



28.1385, 0.2389, 0.3062



47.3636, 0.2278, 0.3002



15.4049, 0.2206, 0.2180



8.3526, 0.2987, 0.3258



17.4313, 0.2126, 0.2854



0.4711, 0.2170, 0.3012

Inverse Universe

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



15.8727, 0.3364, 0.2146



23.9122, 0.3430, 0.1955



26.1425, 0.4183, 0.4169



7.6485, 0.3158, 0.3098



7.8308, 0.3585, 0.1749



0.1953, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 28.1374, 0.2389, 0.3062 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 28.1374, 0.2389, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

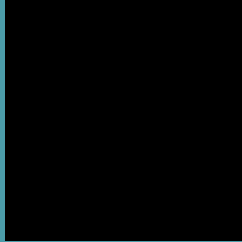
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1374, 0.2389, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 28.1374, 0.2389, 0.3062.



This preview shows how white text looks on a background with the Yxy color 28.1374, 0.2389, 0.3062.

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

28.1374, 0.2389, 0.3062

Protanopia

27.8457, 0.2945, 0.3020

Deuteranopia

27.9576, 0.2866, 0.2814



Tritanopia

28.1374, 0.2389, 0.3062

Trichromacy



Original Color

28.1374, 0.2389, 0.3062

Protanomaly

27.6061, 0.2701, 0.3039

Deuteranomaly

27.4200, 0.2652, 0.2882

Tritanomaly

28.1374, 0.2389, 0.3062

Monochromacy



Original Color

28.1374, 0.2389, 0.3062

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5698, 0.2787, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1374, 0.2389, 0.3062 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(75, 156, 169)` looks like.

```
.text, #text, p{  
    color:rgb(75, 156, 169)  
}
```

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(75, 156, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 156, 169) }
```

Border

The CSS property to change the border of an element to Yxy 28.1374, 0.2389, 0.3062 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(75, 156, 169) }
```

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

```
.border{ border-color:rgb(75, 156, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 156, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 156, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 156, 169);  
box-shadow:4px 4px 4px 4px rgb(75, 156,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1374, 0.2389, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 156, 169) }
```

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

```
.background{ background-color: rgb(75, 156,  
169) }
```

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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