

Converting Colors

$Y_{xy}(30.0303, 0.2295, 0.2927)$

Have a look what the booklet for
Yxy(30.0303, 0.2295, 0.2927)
contains.

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Color

Yxy(30.0961, 0.2300, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	44A1B6
RGB	68, 161, 182
RGB Percent	27%, 63%, 71%
CMY	0.7331, 0.3686, 0.2862
CMYK	0.63, 0.12, 0.00, 0.29
HSL	191°, 46%, 49%
HSV	191°, 63%, 71%
XYZ	23.5766, 30.0961, 48.8344
YIQ	135.5870, -62.1690, -13.1850

Conversions

Conversions Part 2

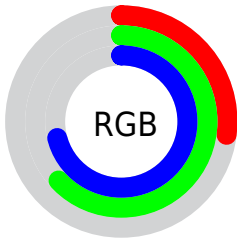
Format	Color
R _Y B	68, 119, 182
Decimal	4497846
CIE Lab	61.74, -20.91, -19.06
CIE LCh	62, 28.297, 222.349
Yxy	30.0961, 0.2300, 0.2936
Android (android.graphics.Color)	4282687926 (0xFF44A1B6)
YUV	135.5870, 22.8816, -59.2738
Hunter-Lab	54.8599, -19.2925, -14.3760

Details

The Yxy color **30.0961, 0.2300, 0.2936** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.5246, 0.4877, 0.3573**, and the grayscale version is **24.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7968, 0.2457, 0.3014**, and **12.5223, 0.2113, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **28.3826, 0.2216, 0.2870**, and if you desaturate by 10%, it is **32.0466, 0.2401, 0.3001**.

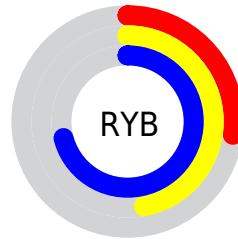
Distribution



Red (27%)

Green (63%)

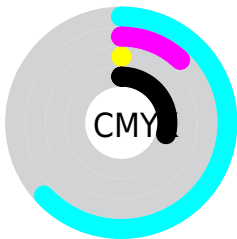
Blue (71%)



Red (27%)

Yellow (47%)

Blue (71%)

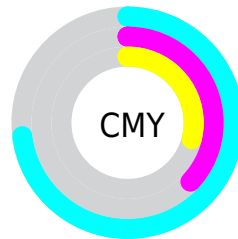


Cyan (63%)

Magenta (12%)

Yellow (0%)

Black (29%)



Cyan (73%)

Magenta (37%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0961, 0.2300, 0.2936 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 30.0961, 0.2300, 0.2936 by changing the saturation by 10% instead.

30.0961, 0.2300,
0.2936

30.0961, 0.2300,
0.2936

302.3521, 0.2729,
0.3136

19.9115, 0.2189,
0.2878

59.8141, 0.2459,
0.3014

12.3308, 0.2045,
0.2799

80.1164, 0.2518,
0.3042

6.9694, 0.1851,
0.2686

104.5600, 0.2567,
0.3065

3.4429, 0.1579,
0.2511

133.5293, 0.2609,
0.3084

1.3671, 0.1175,
0.2218

167.4088, 0.2646,
0.3100

0.1923, 0.0000,
0.1035

206.5829, 0.2677,

0.0000, 0.0000,

0.3113

0.0000

251.4358, 0.2705,
0.3125

■ 30.0961, 0.2300,
0.2936

■ 30.0961, 0.2300,
0.2936

■ 28.3826, 0.2216,
0.2870

■ 32.0466, 0.2401,
0.3001

■ 26.8829, 0.2152,
0.2804

■ 34.2480, 0.2519,
0.3063

■ 25.5746, 0.2106,
0.2738

■ 36.7169, 0.2649,
0.3123

■ 24.6958, 0.2080,
0.2689

■ 39.4673, 0.2789,
0.3179

■ 42.5124, 0.2936,
0.3231

■ 45.8642, 0.3087,
0.3278

■ 49.5343, 0.3240,
0.3321

■ 53.5334, 0.3392,
0.3360

■ 57.8717, 0.3541,
0.3394

Harmonies

Analogous

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



30.0961, 0.2466, 0.3359



30.0961, 0.2300, 0.2936



30.0961, 0.2335, 0.2655

Triad

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



30.0961, 0.2300, 0.2936



30.0961, 0.3415, 0.2849



30.0961, 0.3681, 0.4091

Complementary

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



30.0961, 0.2300, 0.2936



17.5246, 0.4877, 0.3573

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.



30.0961, 0.3974, 0.3875



30.0961, 0.2300, 0.2936



30.0961, 0.3823, 0.3171

Square

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



30.0961, 0.2300, 0.2936



30.0961, 0.2950, 0.2629



30.0961, 0.4032, 0.3537



30.0961, 0.3252, 0.4079

Rectangle

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



30.0961, 0.2300, 0.2936



30.0961, 0.2466, 0.2568



30.0961, 0.4032, 0.3537



30.0961, 0.3800, 0.4040

Sweetspot

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



30.0972, 0.2300, 0.2936



73.2896, 0.2837, 0.3196



35.4167, 0.2926, 0.4953



15.8501, 0.2795, 0.3181



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.0972, 0.2300, 0.2936



50.4058, 0.2191, 0.2846



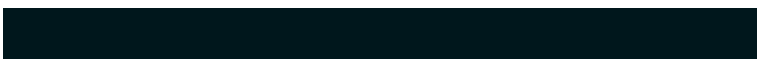
14.5392, 0.2063, 0.1899



9.9212, 0.2985, 0.3247



17.5249, 0.2083, 0.2697



0.6919, 0.2130, 0.2866

Inverse Universe

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



16.6619, 0.3478, 0.2085



25.5635, 0.3576, 0.1925



30.9031, 0.4291, 0.4332



9.1335, 0.3165, 0.3106



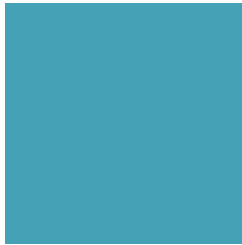
8.5515, 0.3731, 0.1829



0.3089, 0.3574, 0.1743

Previews

White Background



This preview shows how the Yxy color 30.0961, 0.2300, 0.2936 looks on a white background.

Color Contrast Check

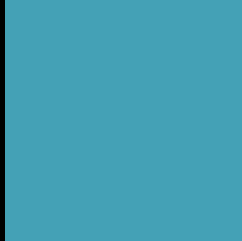
Large Text (above 18pt) WCAG AA × Fail

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 30.0961, 0.2300, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

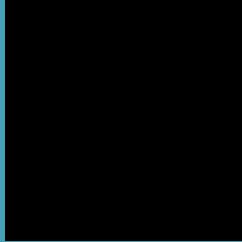
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0961, 0.2300, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 30.0961, 0.2300, 0.2936.



This preview shows how white text looks on a background with the Yxy color 30.0961, 0.2300, 0.2936.

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

30.0961, 0.2300, 0.2936

Protanopia

29.7242, 0.2852, 0.2893

Deuteranopia

29.5932, 0.2751, 0.2695



Tritanopia

30.0596, 0.2329, 0.3066

Trichromacy



Original Color

30.0961, 0.2300, 0.2936

Protanomaly

29.3041, 0.2603, 0.2904

Deuteranomaly

29.3069, 0.2544, 0.2770

Tritanomaly

30.2133, 0.2317, 0.3017

Monochromacy



Original Color

30.0961, 0.2300, 0.2936

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.9302, 0.2725, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0961, 0.2300, 0.2936 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(68, 161, 182)` looks like.

```
.text, #text, p{  
    color:rgb(68, 161, 182)  
}
```

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(68, 161, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 161, 182) }
```

Border

The CSS property to change the border of an element to Yxy 30.0961, 0.2300, 0.2936 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(68, 161, 182) }
```

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

```
.border{ border-color:rgb(68, 161, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 161, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(68, 161, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(68, 161, 182); box-shadow:4px 4px 4px 4px rgb(68, 161, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0961, 0.2300, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 161, 182) }
```

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

```
.background{ background-color: rgb(68, 161,  
182) }
```

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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