

Converting Colors

$Y_{xy}(31.6509, 0.2323, 0.3070)$

Have a look what the booklet for
Yxy(31.6509, 0.2323, 0.3070)
contains.

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Color

Yxy(31.6509, 0.2323, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	41A6B3
RGB	65, 166, 179
RGB Percent	25%, 65%, 70%
CMY	0.7454, 0.3490, 0.2980
CMYK	0.64, 0.07, 0.00, 0.30
HSL	187°, 47%, 48%
HSV	187°, 64%, 70%
XYZ	23.9495, 31.6509, 47.4970
YIQ	137.2830, -64.3690, -17.3690

Conversions

Conversions Part 2

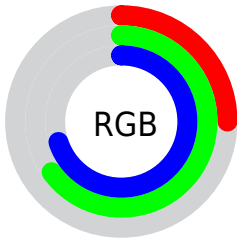
Format	Color
R _Y B	65, 119, 179
Decimal	4302515
CIE Lab	63.05, -24.94, -15.38
CIE LCh	63, 29.302, 211.666
Yxy	31.6509, 0.2323, 0.3070
Android (android.graphics.Color)	4282492595 (0xFF41A6B3)
YUV	137.2830, 20.5665, -63.3922
Hunter-Lab	56.2591, -22.4660, -10.6744

Details

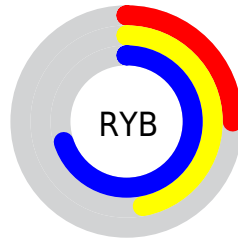
The Yxy color **31.6509, 0.2323, 0.3070** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4037, 0.5008, 0.3465**, and the grayscale version is **25.0617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0710, 0.2473, 0.3114**, and **13.5410, 0.2166, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **30.4000, 0.2251, 0.3031**, and if you desaturate by 10%, it is **33.1094, 0.2413, 0.3109**.

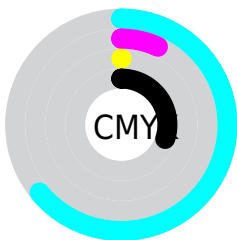
Distribution



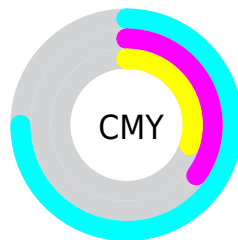
- Red (25%)
- Green (65%)
- Blue (70%)



- Red (25%)
- Yellow (47%)
- Blue (70%)



- Cyan (64%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)





- Cyan (75%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6509, 0.2323, 0.3070 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 31.6509, 0.2323, 0.3070 by changing the saturation by 10% instead.


 31.6509, 0.2323,
0.3070


 31.6509, 0.2323,
0.3070


309.5259, 0.2738,
0.3198


 21.0950, 0.2216,
0.3031


 62.2634, 0.2477,
0.3121


 13.1935, 0.2077,
0.2978


 83.0888, 0.2533,
0.3139

 7.5619, 0.1891,
0.2899


 108.1061, 0.2581,
0.3154

 3.8159, 0.1629,
0.2773

 137.6998, 0.2622,
0.3166

 1.5711, 0.1242,
0.2552

 172.2542, 0.2657,
0.3176

 0.3380, 0.0000,
0.1812

212.1538, 0.2688,

 0.0000, 0.0000,

0.3184

0.0000

257.7829, 0.2715,
0.3192

■ 31.6509, 0.2323,
0.3070

■ 31.6509, 0.2323,
0.3070

■ 30.4000, 0.2251,
0.3031

■ 33.1094, 0.2413,
0.3109

■ 29.3341, 0.2198,
0.2991

■ 34.7885, 0.2521,
0.3147

■ 28.4314, 0.2163,
0.2952

■ 36.7044, 0.2643,
0.3183

■ 27.9177, 0.2147,
0.2928

■ 38.8704, 0.2777,
0.3218

■ 41.2991, 0.2920,
0.3250

■ 44.0019, 0.3070,
0.3280

■ 46.9899, 0.3224,
0.3307

■ 50.2732, 0.3378,
0.3331

■ 53.8616, 0.3531,
0.3353

Harmonies

Analogous

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



31.6509, 0.2560, 0.3527



31.6509, 0.2323, 0.3070



31.6509, 0.2285, 0.2725

Triad

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



31.6509, 0.2323, 0.3070



31.6509, 0.3250, 0.2747



31.6509, 0.3819, 0.4048

Complementary

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



31.6509, 0.2323, 0.3070



15.4037, 0.5008, 0.3465

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.



31.6509, 0.4041, 0.3771



31.6509, 0.2323, 0.3070



31.6509, 0.3705, 0.3043

Square

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



31.6509, 0.2323, 0.3070



31.6509, 0.2791, 0.2572



31.6509, 0.4003, 0.3407



31.6509, 0.3417, 0.4130

Rectangle

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



31.6509, 0.2323, 0.3070



31.6509, 0.2373, 0.2592



31.6509, 0.4003, 0.3407



31.6509, 0.3918, 0.3972

Sweetspot

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



31.6521, 0.2323, 0.3070



71.4683, 0.2839, 0.3232



33.8903, 0.2976, 0.5142



15.5670, 0.2799, 0.3223



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.6521, 0.2323, 0.3070



53.7269, 0.2230, 0.3017



15.6497, 0.2087, 0.2048



9.4629, 0.2986, 0.3263



19.7871, 0.2148, 0.2933



0.6692, 0.2178, 0.3041

Inverse Universe

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



16.1106, 0.3369, 0.1984



24.7141, 0.3428, 0.1819



26.8433, 0.4405, 0.4226



8.6297, 0.3154, 0.3091



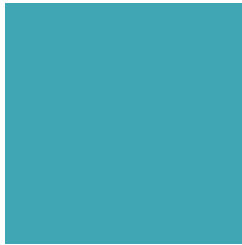
8.5376, 0.3514, 0.1709



0.2733, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 31.6509, 0.2323, 0.3070 looks on a white background.

Color Contrast Check

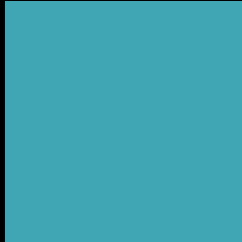
Large Text (above 18pt) WCAG AA × Fail

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 31.6509, 0.2323, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

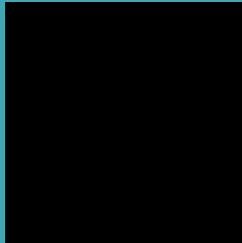
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6509, 0.2323, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 31.6509, 0.2323, 0.3070.



This preview shows how white text looks on a background with the Yxy color 31.6509, 0.2323, 0.3070.

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

31.6509, 0.2323, 0.3070

Protanopia

31.0668, 0.2944, 0.3003

Deuteranopia

31.1780, 0.2843, 0.2778



Tritanopia

31.6509, 0.2323, 0.3070

Trichromacy



Original Color

31.6509, 0.2323, 0.3070

Protanomaly

30.6456, 0.2648, 0.3017

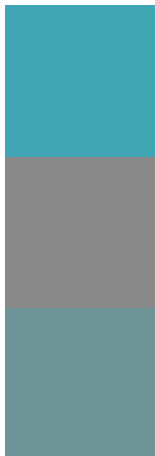
Deuteranomaly

30.8132, 0.2597, 0.2868

Tritanomaly

31.6509, 0.2323, 0.3070

Monochromacy



Original Color

31.6509, 0.2323, 0.3070

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.8263, 0.2738, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6509, 0.2323, 0.3070 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(65, 166, 179)` looks like.

```
.text, #text, p{  
    color:rgb(65, 166, 179)  
}
```

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(65, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 166, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.6509, 0.2323, 0.3070 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(65, 166, 179) }
```

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

```
.border{ border-color:rgb(65, 166, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(65, 166,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6509, 0.2323, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 166, 179) }
```

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

```
.background{ background-color: rgb(65, 166,  
179) }
```

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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