

Converting Colors

$Yxy(30.0644, 0.2476, 0.3890)$

Have a look what the booklet for
Yxy(30.0644, 0.2476, 0.3890)
contains.

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Color

Yxy(30.1579, 0.2476, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	24A888
RGB	36, 168, 136
RGB Percent	14%, 66%, 53%
CMY	0.8592, 0.3411, 0.4667
CMYK	0.79, 0.00, 0.19, 0.34
HSL	165°, 65%, 40%
HSV	165°, 79%, 66%
XYZ	19.1710, 30.1579, 28.0983
YIQ	124.8840, -68.4000, -37.9360

Conversions

Conversions Part 2

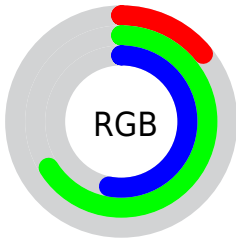
Format	Color
RYB	36, 111, 168
Decimal	2402440
CIELab	61.79, -42.07, 6.79
CIELCh	62, 42.619, 170.834
Yxy	30.1579, 0.2476, 0.3895
Android (android.graphics.Color)	4280592520 (0xFF24A888)
YUV	124.8840, 5.4802, -77.9513
Hunter-Lab	54.9162, -33.7899, 8.1051

Details

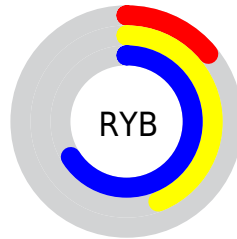
The Yxy color **30.1579, 0.2476, 0.3895** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9988, 0.5200, 0.2918**, and the grayscale version is **20.4576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9285, 0.2613, 0.3769**, and **12.9334, 0.2469, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **29.8115, 0.2464, 0.3984**, and if you desaturate by 10%, it is **30.6527, 0.2508, 0.3806**.

Distribution



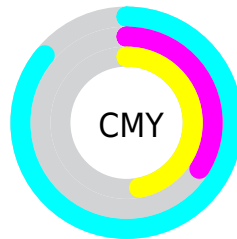
- Red (14%)
- Green (66%)
- Blue (53%)



- Red (14%)
- Yellow (44%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (19%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1579, 0.2476, 0.3895 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 30.1579, 0.2476, 0.3895 by changing the saturation by 10% instead.


 30.1579, 0.2476,
0.3895


 30.1579, 0.2476,
0.3895


 302.6398, 0.2828,
0.3561


 19.9585, 0.2379,
0.3990


 59.9118, 0.2611,
0.3765


 12.3649, 0.2248,
0.4121


 80.2351, 0.2659,
0.3719

 6.9927, 0.2064,
0.4310


 104.7017, 0.2699,
0.3681

 3.4575, 0.1787,
0.4607

 133.6962, 0.2733,
0.3649

 1.3750, 0.0842,
0.5424

 167.6028, 0.2762,
0.3622

 0.1982, 0.0000,
1.0000

 206.8060, 0.2787,

 0.0000, 0.0000,

0.3599

0.0000

251.6902, 0.2809,
0.3579

■ 30.1579, 0.2476,
0.3895

■ 30.1579, 0.2476,
0.3895

■ 29.8115, 0.2464,
0.3984

■ 30.6527, 0.2508,
0.3806

■ 29.5776, 0.2467,
0.4072

■ 31.3102, 0.2558,
0.3719

■ 29.5480, 0.2468,
0.4085

■ 32.1464, 0.2626,
0.3634

■ 33.1750, 0.2710,
0.3553

■ 34.4077, 0.2806,
0.3477

■ 35.8559, 0.2912,
0.3406

■ 37.5296, 0.3026,
0.3341

■ 39.4385, 0.3144,
0.3282

■ 41.5917, 0.3264,
0.3229

Harmonies

Analogous

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



30.1579, 0.3091, 0.4440



30.1579, 0.2476, 0.3895



30.1579, 0.2064, 0.3173

Triad

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



30.1579, 0.2476, 0.3895



30.1579, 0.2433, 0.2242



30.1579, 0.4497, 0.3753

Complementary

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



30.1579, 0.2476, 0.3895



9.9988, 0.5200, 0.2918

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.



30.1579, 0.4306, 0.3235



30.1579, 0.2476, 0.3895



30.1579, 0.3040, 0.2413

Square

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



30.1579, 0.2476, 0.3895



30.1579, 0.2049, 0.2292



30.1579, 0.3746, 0.2764



30.1579, 0.4275, 0.4235

Rectangle

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



30.1579, 0.2476, 0.3895



30.1579, 0.1939, 0.2762



30.1579, 0.3746, 0.2764



30.1579, 0.4482, 0.3580

Sweetspot

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



30.1591, 0.2476, 0.3895



63.4817, 0.2849, 0.3447



29.3981, 0.3187, 0.5587



13.6481, 0.2814, 0.3471



84.8088, 0.3127, 0.3290



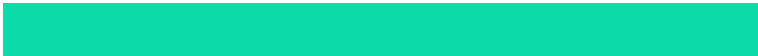
15.4872, 0.3127, 0.3290

Same Dimension

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



30.1591, 0.2476, 0.3895



53.7835, 0.2466, 0.4047



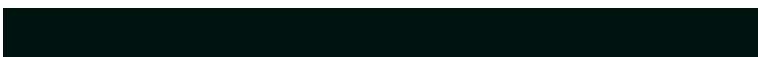
20.5246, 0.2134, 0.2661



8.5005, 0.3018, 0.3345



22.3194, 0.2466, 0.4076



0.5503, 0.2385, 0.3785

Inverse Universe

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



9.9988, 0.5200, 0.2918



15.7589, 0.5806, 0.3015



12.7011, 0.5400, 0.3689



7.5710, 0.3249, 0.3235



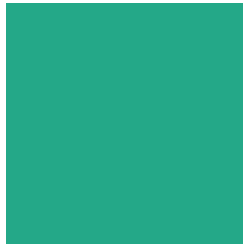
6.4130, 0.5913, 0.3031



0.1638, 0.5027, 0.2543

Previews

White Background



This preview shows how the Yxy color 30.1579, 0.2476, 0.3895 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 30.1579, 0.2476, 0.3895 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 30.1579, 0.2476, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 30.1579, 0.2476, 0.3895.



This preview shows how white text looks on a background with the Yxy color 30.1579, 0.2476, 0.3895.

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

30.1579, 0.2476, 0.3895

Protanopia

29.7541, 0.3430, 0.3636

Deuteranopia

29.5673, 0.3386, 0.3321



Tritanopia

30.2896, 0.2307, 0.3066

Trichromacy



Original Color

30.1579, 0.2476, 0.3895

Protanomaly

28.4991, 0.2937, 0.3732

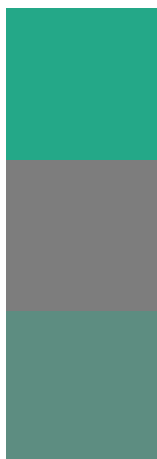
Deuteranomaly

28.1721, 0.2914, 0.3514

Tritanomaly

30.1873, 0.2365, 0.3359

Monochromacy



Original Color

30.1579, 0.2476, 0.3895

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.9619, 0.2760, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1579, 0.2476, 0.3895 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(36, 168, 136)` looks like.

```
.text, #text, p{  
    color:rgb(36, 168, 136)  
}
```

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(36, 168, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 168, 136) }
```

Border

The CSS property to change the border of an element to Yxy 30.1579, 0.2476, 0.3895 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(36, 168, 136) }
```

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

```
.border{ border-color:rgb(36, 168, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 168, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 168, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 168, 136);  
box-shadow:4px 4px 4px 4px rgb(36, 168,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1579, 0.2476, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 168, 136) }
```

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

```
.background{ background-color: rgb(36, 168,  
136) }
```

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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