

Converting Colors

$Y_{xy}(30.0451, 0.2227, 0.2976)$

Have a look what the booklet for
Yxy(30.0451, 0.2227, 0.2976)
contains.

Yxy(30.0661, 0.2228, 0.2980)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0661, 0.2228, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	2CA3B5
RGB	44, 163, 181
RGB Percent	17%, 64%, 71%
CMY	0.8273, 0.3608, 0.2901
CMYK	0.76, 0.10, 0.00, 0.29
HSL	188°, 61%, 44%
HSV	188°, 76%, 71%
XYZ	22.4789, 30.0661, 48.3479
YIQ	129.4710, -76.7020, -19.6300

Conversions

Conversions Part 2

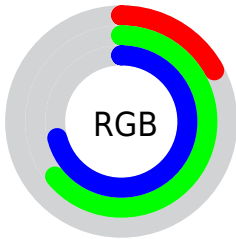
Format	Color
RYB	44, 108, 181
Decimal	2925493
CIELab	61.71, -25.76, -18.60
CIELCh	62, 31.768, 215.832
Yxy	30.0661, 0.2228, 0.2980
Android (android.graphics.Color)	4281115573 (0xFF2CA3B5)
YUV	129.4710, 25.4038, -74.9581
Hunter-Lab	54.8326, -22.7798, -13.8954

Details

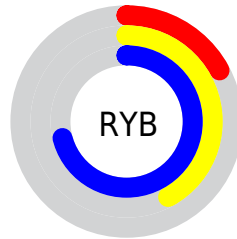
The Yxy color **30.0661, 0.2228, 0.2980** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4600, 0.5508, 0.3490**, and the grayscale version is **22.0595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6367, 0.2397, 0.3047**, and **12.9274, 0.2133, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **28.9118, 0.2176, 0.2934**, and if you desaturate by 10%, it is **31.4133, 0.2299, 0.3026**.

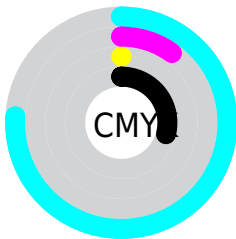
Distribution



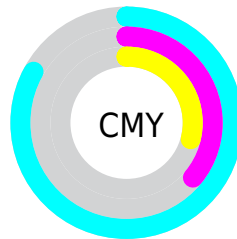
- Red (17%)
- Green (64%)
- Blue (71%)



- Red (17%)
- Yellow (42%)
- Blue (71%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)



- Cyan (83%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0661, 0.2228, 0.2980 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 30.0661, 0.2228, 0.2980 by changing the saturation by 10% instead.

■ 30.0661, 0.2228,
0.2980

■ 30.0661, 0.2228,
0.2980

■ 302.2124, 0.2693,
0.3159

■ 19.8888, 0.2108,
0.2927

■ 59.7667, 0.2400,
0.3051

■ 12.3142, 0.1953,
0.2853

■ 80.0587, 0.2464,
0.3076

■ 6.9580, 0.1746,
0.2745

■ 104.4912, 0.2517,
0.3097

■ 3.4359, 0.1459,
0.2576

■ 133.4483, 0.2563,
0.3113

■ 1.3633, 0.1015,
0.2292

■ 167.3146, 0.2602,
0.3128

■ 0.1894, 0.0000,
0.1050

206.4745, 0.2637,

■ 0.0000, 0.0000,

0.3140

0.0000

251.3123, 0.2667,
0.3150

■ 30.0661, 0.2228,
0.2980

■ 30.0661, 0.2228,
0.2980

■ 28.9118, 0.2176,
0.2934

■ 31.4133, 0.2299,
0.3026

■ 27.9215, 0.2142,
0.2889

■ 32.9705, 0.2388,
0.3072

■ 27.5208, 0.2130,
0.2869

■ 34.7563, 0.2494,
0.3116

■ 36.7862, 0.2615,
0.3158

■ 39.0744, 0.2749,
0.3199

■ 41.6340, 0.2891,
0.3237

■ 44.4770, 0.3041,
0.3272

■ 47.6148, 0.3193,
0.3303

■ 51.0581, 0.3347,
0.3332

Harmonies

Analogous

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



30.0661, 0.2455, 0.3478



30.0661, 0.2228, 0.2980



30.0661, 0.2219, 0.2629

Triad

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



30.0661, 0.2228, 0.2980



30.0661, 0.3334, 0.2735



30.0661, 0.3832, 0.4151

Complementary

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



30.0661, 0.2228, 0.2980



13.4600, 0.5508, 0.3490

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.



30.0661, 0.4115, 0.3862



30.0661, 0.2228, 0.2980



30.0661, 0.3824, 0.3070

Square

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



30.0661, 0.2228, 0.2980



30.0661, 0.2820, 0.2523



30.0661, 0.4118, 0.3469



30.0661, 0.3372, 0.4211

Rectangle

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



30.0661, 0.2228, 0.2980



30.0661, 0.2334, 0.2507



30.0661, 0.4118, 0.3469



30.0661, 0.3952, 0.4073

Sweetspot

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



30.0672, 0.2228, 0.2980



70.9676, 0.2781, 0.3208



33.9206, 0.2958, 0.5457



15.0027, 0.2731, 0.3194



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.



30.0672, 0.2228, 0.2980



50.5236, 0.2151, 0.2903



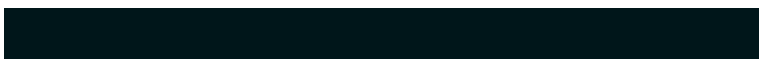
12.3384, 0.1908, 0.1729



9.4370, 0.2986, 0.3259



19.0387, 0.2132, 0.2875



0.6517, 0.2167, 0.3001

Inverse Universe

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



14.2745, 0.3458, 0.1857



22.6157, 0.3538, 0.1755



25.5804, 0.4646, 0.4353



8.6271, 0.3157, 0.3095



8.4621, 0.3566, 0.1738



0.2716, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 30.0661, 0.2228, 0.2980 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 30.0661, 0.2228, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

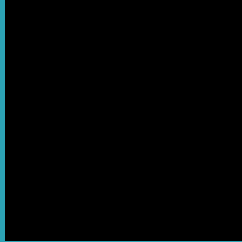
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0661, 0.2228, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 30.0661, 0.2228, 0.2980.

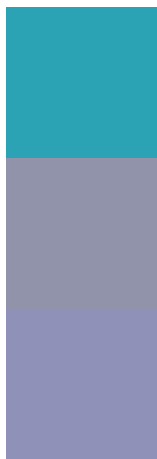


This preview shows how white text looks on a background with the Yxy color 30.0661, 0.2228, 0.2980.

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

30.0661, 0.2228, 0.2980

Protanopia

29.6990, 0.2887, 0.2937

Deuteranopia

29.5932, 0.2751, 0.2695



Tritanopia

30.1967, 0.2244, 0.3063

Trichromacy



Original Color

30.0661, 0.2228, 0.2980

Protanomaly

29.0266, 0.2558, 0.2945

Deuteranomaly

29.0430, 0.2481, 0.2777

Tritanomaly

30.2575, 0.2242, 0.3047

Monochromacy



Original Color

30.0661, 0.2228, 0.2980

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.7845, 0.2645, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0661, 0.2228, 0.2980 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(44, 163, 181)` looks like.

```
.text, #text, p{  
    color:rgb(44, 163, 181)  
}
```

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(44, 163, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 163, 181) }
```

Border

The CSS property to change the border of an element to Yxy 30.0661, 0.2228, 0.2980 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(44, 163, 181) }
```

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

```
.border{ border-color:rgb(44, 163, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 163, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 163, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 163, 181);  
box-shadow:4px 4px 4px 4px rgb(44, 163,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0661, 0.2228, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 163, 181) }
```

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

```
.background{ background-color: rgb(44, 163,  
181) }
```

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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