

Converting Colors

$Y_{xy}(29.6280, 0.2213, 0.2962)$

Have a look what the booklet for
Yxy(29.6280, 0.2213, 0.2962)
contains.

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Color

$\text{Yxy}(29.6280, 0.2213, 0.2962)$

Conversions

Conversions Part 1

Format	Color
Hex	28A2B5
RGB	40, 162, 181
RGB Percent	16%, 64%, 71%
CMY	0.8430, 0.3647, 0.2902
CMYK	0.78, 0.10, 0.00, 0.29
HSL	188°, 64%, 43%
HSV	188°, 78%, 71%
XYZ	22.1360, 29.6280, 48.2630
YIQ	127.6880, -78.8110, -19.9550

Conversions

Conversions Part 2

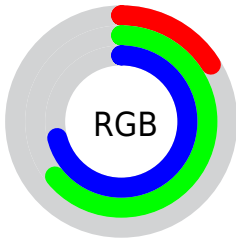
Format	Color
RYB	40, 105, 181
Decimal	2663093
CIELab	61.33, -25.70, -19.16
CIELCh	61, 32.058, 216.707
Yxy	29.6280, 0.2213, 0.2962
Android (android.graphics.Color)	4280853173 (0xFF28A2B5)
YUV	127.6880, 26.2828, -76.9024
Hunter-Lab	54.4316, -22.6638, -14.4687

Details

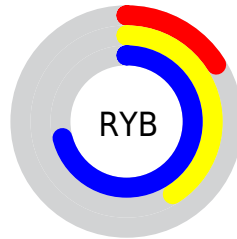
The Yxy color **29.6280, 0.2213, 0.2962** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.1073, 0.5594, 0.3491**, and the grayscale version is **21.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9913, 0.2386, 0.3034**, and **12.7104, 0.2126, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **28.4962, 0.2165, 0.2915**, and if you desaturate by 10%, it is **30.9484, 0.2280, 0.3009**.

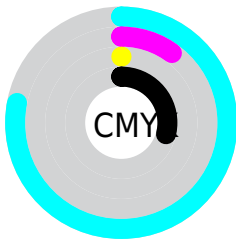
Distribution



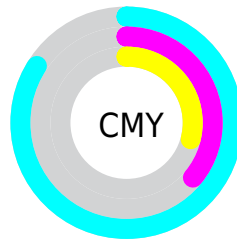
- Red (16%)
- Green (64%)
- Blue (71%)



- Red (16%)
- Yellow (41%)
- Blue (71%)



- Cyan (78%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)





- Cyan (84%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6280, 0.2213, 0.2962 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 29.6280, 0.2213, 0.2962 by changing the saturation by 10% instead.


 29.6280, 0.2213,
0.2962


 29.6280, 0.2213,
0.2962


300.1666, 0.2687,
0.3152


 19.5564, 0.2091,
0.2906


 59.0734, 0.2388,
0.3037

 12.0730, 0.1933,
0.2828


 79.2160, 0.2453,
0.3064


 6.7934, 0.1722,
0.2714


 103.4843, 0.2508,
0.3085

 3.3332, 0.1430,
0.2536

 132.2628, 0.2554,
0.3103

 1.3081, 0.0968,
0.2241

 165.9359, 0.2594,
0.3118

 0.1475, 0.0000,
0.0841

204.8880, 0.2629,

 0.0000, 0.0000,

0.3131

0.0000

249.5034, 0.2660,
0.3142

■ 29.6280, 0.2213,
0.2962

■ 29.6280, 0.2213,
0.2962

■ 28.4962, 0.2165,
0.2915

■ 30.9484, 0.2280,
0.3009

■ 27.5169, 0.2133,
0.2869

■ 32.4751, 0.2365,
0.3056

■ 27.3171, 0.2127,
0.2859

■ 34.2275, 0.2468,
0.3102

■ 36.2214, 0.2587,
0.3146

■ 38.4713, 0.2718,
0.3188

■ 40.9904, 0.2859,
0.3227

■ 43.7911, 0.3007,
0.3264

■ 46.8847, 0.3160,
0.3297

■ 50.2822, 0.3313,
0.3327

Harmonies

Analogous

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



29.6280, 0.2437, 0.3464



29.6280, 0.2213, 0.2962



29.6280, 0.2211, 0.2613

Triad

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



29.6280, 0.2213, 0.2962



29.6280, 0.3352, 0.2736



29.6280, 0.3830, 0.4168

Complementary

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



29.6280, 0.2213, 0.2962



13.1073, 0.5594, 0.3491

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.



29.6280, 0.4123, 0.3879



29.6280, 0.2213, 0.2962



29.6280, 0.3846, 0.3078

Square

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



29.6280, 0.2213, 0.2962



29.6280, 0.2830, 0.2518



29.6280, 0.4136, 0.3483



29.6280, 0.3360, 0.4222

Rectangle

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



29.6280, 0.2213, 0.2962



29.6280, 0.2331, 0.2493



29.6280, 0.4136, 0.3483



29.6280, 0.3953, 0.4091

Sweetspot

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



29.6291, 0.2213, 0.2962



70.8747, 0.2780, 0.3206



33.8103, 0.2948, 0.5482



14.9797, 0.2731, 0.3192



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.



29.6291, 0.2213, 0.2962



49.8501, 0.2143, 0.2884



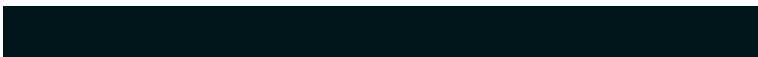
11.3941, 0.1870, 0.1636



9.4324, 0.2986, 0.3259



18.9076, 0.2129, 0.2864



0.6487, 0.2165, 0.2994

Inverse Universe

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



13.9518, 0.3476, 0.1841



22.3951, 0.3556, 0.1755



25.7584, 0.4661, 0.4393



8.6266, 0.3157, 0.3095



8.4489, 0.3576, 0.1743



0.2713, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 29.6280, 0.2213, 0.2962 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 29.6280, 0.2213, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

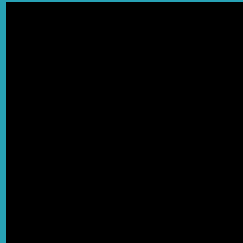
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6280, 0.2213, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 29.6280, 0.2213, 0.2962.

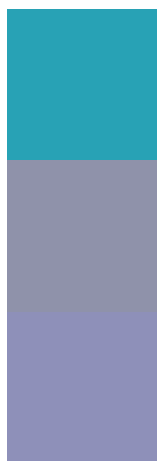


This preview shows how white text looks on a background with the Yxy color 29.6280, 0.2213, 0.2962.

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

29.6280, 0.2213, 0.2962

Protanopia

29.2997, 0.2877, 0.2920

Deuteranopia

29.2001, 0.2741, 0.2678



Tritanopia

29.6863, 0.2230, 0.3061

Trichromacy



Original Color

29.6280, 0.2213, 0.2962



Protanomaly

28.5766, 0.2541, 0.2927



Deuteranomaly

28.5972, 0.2464, 0.2759



Tritanomaly

29.8021, 0.2225, 0.3028

Monochromacy



Original Color

29.6280, 0.2213, 0.2962



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.3495, 0.2634, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6280, 0.2213, 0.2962 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(40, 162, 181)` looks like.

```
.text, #text, p{  
    color:rgb(40, 162, 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(40, 162, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 162, 181) }
```

Border

The CSS property to change the border of an element to Yxy 29.6280, 0.2213, 0.2962 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(40, 162, 181) }
```

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

```
.border{ border-color:rgb(40, 162, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 162, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 162, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 162, 181);  
box-shadow:4px 4px 4px 4px rgb(40, 162,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6280, 0.2213, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 162, 181) }
```

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

```
.background{ background-color: rgb(40, 162,  
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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