

Converting Colors

$Yxy(16.4463, 0.2228, 0.2820)$

Have a look what the booklet for
Yxy(16.4463, 0.2228, 0.2820)
contains.

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Color

Yxy(16.4463, 0.2228, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	2B7A90
RGB	43, 122, 144
RGB Percent	17%, 48%, 56%
CMY	0.8310, 0.5216, 0.4352
CMYK	0.70, 0.15, 0.00, 0.44
HSL	193°, 54%, 37%
HSV	193°, 70%, 56%
XYZ	12.9937, 16.4463, 28.8802
YIQ	100.8870, -54.1460, -9.9060

Conversions

Conversions Part 2

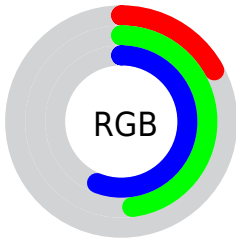
Format	Color
RYB	43, 87, 144
Decimal	2849424
CIELab	47.55, -16.37, -18.93
CIELCh	48, 25.022, 229.143
Yxy	16.4463, 0.2228, 0.2820
Android (android.graphics.Color)	4281039504 (0xFF2B7A90)
YUV	100.8870, 21.2547, -50.7669
Hunter-Lab	40.5540, -13.7772, -13.8350

Details

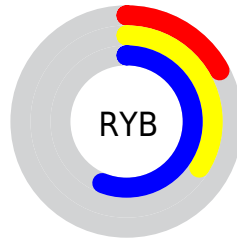
The Yxy color **16.4463, 0.2228, 0.2820** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9010, 0.5085, 0.3638**, and the grayscale version is **12.9454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5619, 0.2430, 0.2944**, and **5.5732, 0.2057, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **15.4286, 0.2152, 0.2742**, and if you desaturate by 10%, it is **17.6002, 0.2321, 0.2897**.

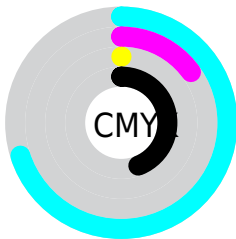
Distribution



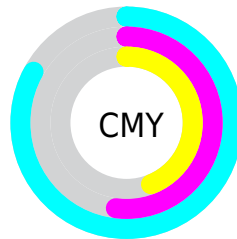
- Red (17%)
- Green (48%)
- Blue (56%)



- Red (17%)
- Yellow (34%)
- Blue (56%)



- Cyan (70%)
- Magenta (15%)
- Yellow (0%)
- Black (44%)



- Cyan (83%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4463, 0.2228, 0.2820 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 16.4463, 0.2228, 0.2820 by changing the saturation by 10% instead.

16.4463, 0.2228,
0.2820

16.4463, 0.2228,
0.2820

231.9610, 0.2737,
0.3105

9.8405, 0.2079,
0.2727

37.3713, 0.2429,
0.2938

5.2933, 0.1873,
0.2591

52.4593, 0.2499,
0.2978

2.4204, 0.1575,
0.2376

71.1435, 0.2557,
0.3010

0.8363, 0.0963,
0.2038

93.8082, 0.2605,
0.3036

0.0000, 0.0000,
0.0000

120.8380, 0.2646,
0.3057

152.6171, 0.2681,

0.3075

189.5300, 0.2711,
0.3091

■ 16.4463, 0.2228,
0.2820

■ 16.4463, 0.2228,
0.2820

■ 15.4286, 0.2152,
0.2742

■ 17.6002, 0.2321,
0.2897

■ 14.5329, 0.2095,
0.2664

■ 18.8991, 0.2431,
0.2973

■ 13.7316, 0.2052,
0.2586

■ 20.3530, 0.2554,
0.3045

■ 21.9704, 0.2688,
0.3113

■ 23.7593, 0.2830,
0.3177

■ 25.7268, 0.2977,
0.3236

■ 27.8798, 0.3126,
0.3290

■ 30.2248, 0.3275,
0.3338

■ 32.7677, 0.3422,
0.3382

Harmonies

Analogous

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



16.4463, 0.2356, 0.3250



16.4463, 0.2228, 0.2820



16.4463, 0.2313, 0.2564

Triad

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



16.4463, 0.2228, 0.2820



16.4463, 0.3549, 0.2886



16.4463, 0.3626, 0.4179

Complementary

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



16.4463, 0.2228, 0.2820



9.9010, 0.5085, 0.3638

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.



16.4463, 0.3988, 0.3986



16.4463, 0.2228, 0.2820



16.4463, 0.3955, 0.3246

Square

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



16.4463, 0.2228, 0.2820



16.4463, 0.3045, 0.2621



16.4463, 0.4117, 0.3639



16.4463, 0.3147, 0.4104

Rectangle

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



16.4463, 0.2228, 0.2820



16.4463, 0.2483, 0.2502



16.4463, 0.4117, 0.3639



16.4463, 0.3766, 0.4140

Sweetspot

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



16.4469, 0.2228, 0.2820



41.4493, 0.2811, 0.3169



20.8477, 0.2898, 0.5064



9.3236, 0.2775, 0.3153



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.4469, 0.2228, 0.2820



26.2889, 0.2118, 0.2698



7.1255, 0.1948, 0.1665



5.9194, 0.2990, 0.3241



11.9906, 0.2053, 0.2591



0.1466, 0.2155, 0.2957

Inverse Universe

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



9.0709, 0.3587, 0.2049



13.6434, 0.3720, 0.1921



18.4639, 0.4368, 0.4450



5.4912, 0.3168, 0.3120



6.1968, 0.3833, 0.1885



0.0625, 0.3492, 0.1698

Previews

White Background



This preview shows how the Yxy color 16.4463, 0.2228, 0.2820 looks on a white 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

Black Background



This preview shows how the Yxy color 16.4463, 0.2228, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

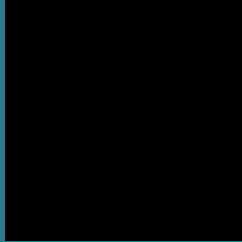
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.4463, 0.2228, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 16.4463, 0.2228, 0.2820.

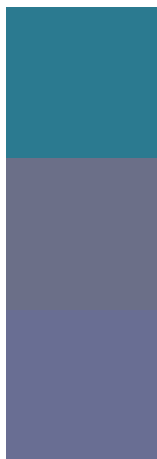


This preview shows how white text looks on a background with the Yxy color 16.4463, 0.2228, 0.2820.

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

16.4463, 0.2228, 0.2820

Protanopia

16.2723, 0.2790, 0.2803

Deuteranopia

16.2617, 0.2654, 0.2590



Tritanopia

16.5116, 0.2273, 0.3066

Trichromacy



Original Color

16.4463, 0.2228, 0.2820

Protanomaly

16.0104, 0.2525, 0.2798

Deuteranomaly

15.9038, 0.2444, 0.2647

Tritanomaly

16.4322, 0.2254, 0.2961

Monochromacy



Original Color

16.4463, 0.2228, 0.2820

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.9271, 0.2676, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4463, 0.2228, 0.2820 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(43, 122, 144)` looks like.

```
.text, #text, p{  
    color:rgb(43, 122, 144)  
}
```

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(43, 122, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 122, 144) }
```

Border

The CSS property to change the border of an element to Yxy 16.4463, 0.2228, 0.2820 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(43, 122, 144) }
```

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

```
.border{ border-color:rgb(43, 122, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 122, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 122, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 122, 144);  
box-shadow:4px 4px 4px 4px rgb(43, 122,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4463, 0.2228, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 122, 144) }
```

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

```
.background{ background-color: rgb(43, 122,  
144) }
```

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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