

Converting Colors

$Y_{xy}(12.1717, 0.2233, 0.2746)$

Have a look what the booklet for
Yxy(12.1717, 0.2233, 0.2746)
contains.

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Color

Yxy(12.1539, 0.2235, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	2A6980
RGB	42, 105, 128
RGB Percent	16%, 41%, 50%
CMY	0.8353, 0.5882, 0.4980
CMYK	0.67, 0.18, 0.00, 0.50
HSL	196°, 51%, 33%
HSV	196°, 67%, 50%
XYZ	9.9030, 12.1539, 22.2519
YIQ	88.7850, -44.9310, -6.2030

Conversions

Conversions Part 2

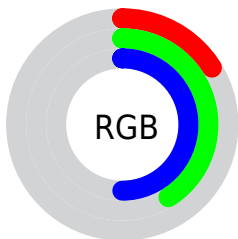
Format	Color
R _Y B	42, 78, 128
Decimal	2779520
CIE Lab	41.46, -12.39, -18.74
CIE LCh	41, 22.465, 236.517
Yxy	12.1539, 0.2235, 0.2743
Android (android.graphics.Color)	4280969600 (0xFF2A6980)
YUV	88.7850, 19.3330, -41.0304
Hunter-Lab	34.8624, -10.3046, -13.4397

Details

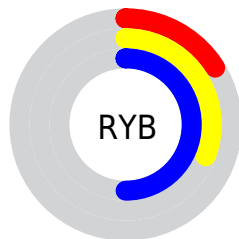
The Yxy color **12.1539, 0.2235, 0.2743** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.5385, 0.4876, 0.3713**, and the grayscale version is **9.9036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7098, 0.2451, 0.2882**, and **3.5906, 0.2024, 0.2485** is the 20% darker color. If you saturate the color by 10%, you get **11.2426, 0.2147, 0.2647**, and if you desaturate by 10%, it is **13.1805, 0.2340, 0.2838**.

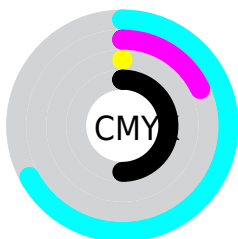
Distribution



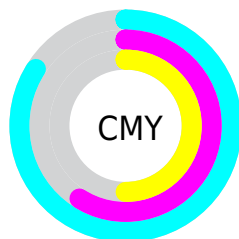
- Red (16%)
- Green (41%)
- Blue (50%)



- Red (16%)
- Yellow (31%)
- Blue (50%)



- Cyan (67%)
- Magenta (18%)
- Yellow (0%)
- Black (50%)



- Cyan (84%)
- Magenta (59%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1539, 0.2235, 0.2743 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 12.1539, 0.2235, 0.2743 by changing the saturation by 10% instead.

12.1539, 0.2235,
0.2743

12.1539, 0.2235,
0.2743

205.4215, 0.2762,
0.3083

6.8486, 0.2069,
0.2625

29.7751, 0.2450,
0.2888

3.3676, 0.1831,
0.2447

42.8598, 0.2524,
0.2935

1.3265, 0.1469,
0.2154

59.3063, 0.2583,
0.2973

0.1616, 0.0000,
0.0925

79.4992, 0.2631,
0.3003

0.0000, 0.0000,
0.0000

103.8227, 0.2672,
0.3028

132.6614, 0.2707,

0.3049

166.3995, 0.2736,
0.3067

■ 12.1539, 0.2235,
0.2743

■ 12.1539, 0.2235,
0.2743

■ 11.2426, 0.2147,
0.2647

■ 13.1805, 0.2340,
0.2838

■ 10.4363, 0.2077,
0.2550

■ 14.3287, 0.2459,
0.2929

■ 9.7173, 0.2022,
0.2453

■ 15.6060, 0.2590,
0.3016

■ 9.5233, 0.2007,
0.2426

■ 17.0188, 0.2729,
0.3098

■ 18.5728, 0.2874,
0.3174

■ 20.2736, 0.3021,
0.3244

■ 22.1262, 0.3168,
0.3307

■ 24.1357, 0.3314,
0.3364

■ 26.3065, 0.3456,
0.3415

Harmonies

Analogous

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



12.1539, 0.2310, 0.3133



12.1539, 0.2235, 0.2743



12.1539, 0.2371, 0.2536

Triad

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



12.1539, 0.2235, 0.2743



12.1539, 0.3661, 0.2970



12.1539, 0.3512, 0.4182

Complementary

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



12.1539, 0.2235, 0.2743



8.5385, 0.4876, 0.3713

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.



12.1539, 0.3911, 0.4048



12.1539, 0.2235, 0.2743



12.1539, 0.4015, 0.3343

Square

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



12.1539, 0.2235, 0.2743



12.1539, 0.3168, 0.2678



12.1539, 0.4105, 0.3730



12.1539, 0.3027, 0.4033

Rectangle

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



12.1539, 0.2235, 0.2743



12.1539, 0.2571, 0.2506



12.1539, 0.4105, 0.3730



12.1539, 0.3661, 0.4165

Sweetspot

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



12.1543, 0.2235, 0.2743



31.7719, 0.2826, 0.3150



16.3157, 0.2868, 0.4859



7.2864, 0.2792, 0.3132



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.1543, 0.2235, 0.2743



18.9636, 0.2105, 0.2592



5.5027, 0.1980, 0.1656



4.6983, 0.2993, 0.3231



9.4427, 0.2007, 0.2426



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.2654, 0.3648, 0.2158



10.6931, 0.3814, 0.2020



15.4708, 0.4248, 0.4478



4.3934, 0.3174, 0.3133



5.3478, 0.3996, 0.1975



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.1539, 0.2235, 0.2743 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 12.1539, 0.2235, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

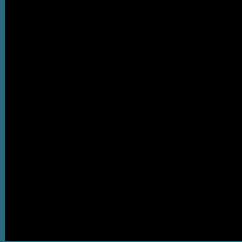
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1539, 0.2235, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 12.1539, 0.2235, 0.2743.

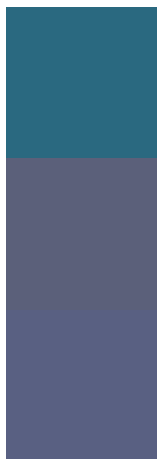


This preview shows how white text looks on a background with the Yxy color 12.1539, 0.2235, 0.2743.

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

12.1539, 0.2235, 0.2743

Protanopia

11.9950, 0.2723, 0.2720

Deuteranopia

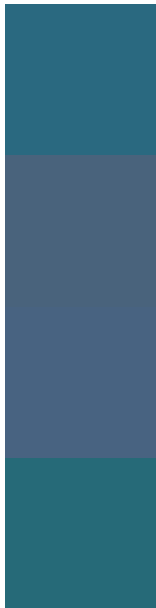
12.1013, 0.2611, 0.2562



Tritanopia

12.1337, 0.2298, 0.3062

Trichromacy



Original Color

12.1539, 0.2235, 0.2743

Protanomaly

11.7954, 0.2498, 0.2717

Deuteranomaly

11.8864, 0.2441, 0.2615

Tritanomaly

12.0762, 0.2277, 0.2943

Monochromacy



Original Color

12.1539, 0.2235, 0.2743

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5414, 0.2699, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1539, 0.2235, 0.2743 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(42, 105, 128)` looks like.

```
.text, #text, p{  
  color:rgb(42, 105, 128)  
}
```

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(42, 105, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 105, 128) }
```

Border

The CSS property to change the border of an element to Yxy 12.1539, 0.2235, 0.2743 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(42, 105, 128) }
```

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

```
.border{ border-color:rgb(42, 105, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 105, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 105, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 105, 128);  
box-shadow:4px 4px 4px 4px rgb(42, 105,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1539, 0.2235, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 105, 128) }
```

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

```
.background{ background-color: rgb(42, 105,  
128) }
```

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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