

Converting Colors

$Y_{xy}(29.2481, 0.2606, 0.3609)$

Have a look what the booklet for
Yxy(29.2481, 0.2606, 0.3609)
contains.

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Color

$\text{Yxy}(29.2222, 0.2610, 0.3615)$

Conversions

Conversions Part 1

Format	Color
Hex	51A18F
RGB	81, 161, 143
RGB Percent	32%, 63%, 56%
CMY	0.6822, 0.3686, 0.4392
CMYK	0.50, 0.00, 0.11, 0.37
HSL	166°, 33%, 47%
HSV	166°, 50%, 63%
XYZ	21.0982, 29.2222, 30.5156
YIQ	135.0280, -41.9020, -22.5580

Conversions

Conversions Part 2

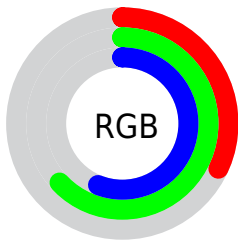
Format	Color
R_{YB}	81, 126, 161
Decimal	5349775
CIE _{Lab}	60.98, -29.06, 1.84
CIE _{LCh}	61, 29.115, 176.384
Yxy	29.2222, 0.2610, 0.3615
Android (android.graphics.Color)	4283539855 (0xFF51A18F)
YUV	135.0280, 3.9302, -47.3826
Hunter-Lab	54.0576, -24.9338, 4.3710

Details

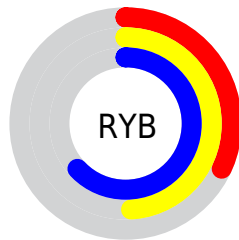
The Yxy color **29.2222, 0.2610, 0.3615** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3683, 0.4162, 0.3006**, and the grayscale version is **24.2397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3772, 0.2716, 0.3540**, and **11.8763, 0.2428, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **28.4860, 0.2542, 0.3693**, and if you desaturate by 10%, it is **30.1329, 0.2693, 0.3540**.

Distribution



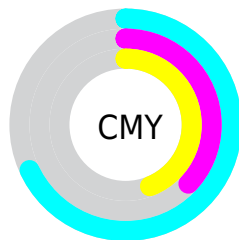
- Red (32%)
- Green (63%)
- Blue (56%)



- Red (32%)
- Yellow (49%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (37%)





- Cyan (68%)
- Magenta (37%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2222, 0.2610, 0.3615 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 29.2222, 0.2610, 0.3615 by changing the saturation by 10% instead.


 29.2222, 0.2610,
0.3615


 29.2222, 0.2610,
0.3615


298.2619, 0.2888,
0.3439

 19.2490, 0.2533,
0.3664


 58.4299, 0.2716,
0.3547

 11.8503, 0.2430,
0.3731


 78.4332, 0.2755,
0.3523


 6.6418, 0.2285,
0.3826


 102.5487, 0.2786,
0.3503

 3.2391, 0.2064,
0.3973

 131.1607, 0.2813,
0.3486

 1.2578, 0.1528,
0.4312

 164.6536, 0.2836,
0.3472

 0.1082, 0.0000,
1.0000

203.4118, 0.2856,

 0.0000, 0.0000,

0.3459

0.0000

247.8198, 0.2873,
0.3448

■ 29.2222, 0.2610,
0.3615

■ 29.2222, 0.2610,
0.3615

■ 28.4860, 0.2542,
0.3693

■ 30.1329, 0.2693,
0.3540

■ 27.9088, 0.2492,
0.3774

■ 31.2256, 0.2790,
0.3470

■ 27.4778, 0.2461,
0.3855


■ 32.5114, 0.2897,
0.3404

■ 27.1771, 0.2448,
0.3937

■ 33.9998, 0.3012,
0.3343

■ 26.9705, 0.2450,
0.4018

■ 35.6993, 0.3131,
0.3288

 26.9640, 0.2450,
0.4021

 37.6182, 0.3253,
0.3239

 39.7641, 0.3376,
0.3195

 42.1445, 0.3498,
0.3155

 44.7664, 0.3617,
0.3121

Harmonies

Analogous

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



29.2222, 0.3034, 0.4008



29.2222, 0.2610, 0.3615



29.2222, 0.2336, 0.3142

Triad

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



29.2222, 0.2610, 0.3615



29.2222, 0.2712, 0.2544



29.2222, 0.4073, 0.3717

Complementary

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



29.2222, 0.2610, 0.3615



14.3683, 0.4162, 0.3006

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.



29.2222, 0.3985, 0.3341



29.2222, 0.2610, 0.3615



29.2222, 0.3165, 0.2695

Square

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



29.2222, 0.2610, 0.3615



29.2222, 0.2393, 0.2560



29.2222, 0.3642, 0.2979



29.2222, 0.3888, 0.4024

Rectangle

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



29.2222, 0.2610, 0.3615



29.2222, 0.2263, 0.2872



29.2222, 0.3642, 0.2979



29.2222, 0.4076, 0.3595

Sweetspot

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



29.2234, 0.2610, 0.3615



59.3499, 0.2946, 0.3377



28.7757, 0.3213, 0.4752



12.9036, 0.2924, 0.3389



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.2234, 0.2610, 0.3615



50.8489, 0.2534, 0.3705



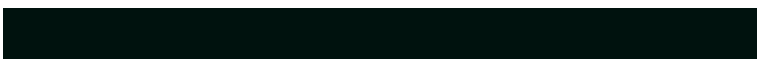
22.9853, 0.2416, 0.2899



7.9838, 0.3016, 0.3341



21.5421, 0.2448, 0.4014



0.4590, 0.2367, 0.3720

Inverse Universe

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



14.3683, 0.4162, 0.3006



21.0219, 0.4558, 0.2959



17.7448, 0.4295, 0.3634



7.1109, 0.3251, 0.3240



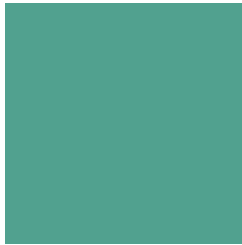
6.1598, 0.5962, 0.3058



0.1360, 0.5049, 0.2555

Previews

White Background



This preview shows how the Yxy color 29.2222, 0.2610, 0.3615 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 29.2222, 0.2610, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

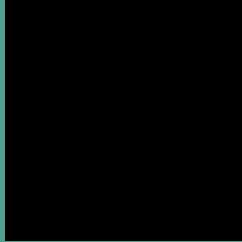
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2222, 0.2610, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 29.2222, 0.2610, 0.3615.

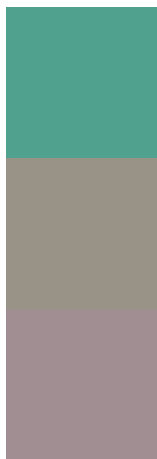


This preview shows how white text looks on a background with the Yxy color 29.2222, 0.2610, 0.3615.

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

29.2222, 0.2610, 0.3615

Protanopia

28.9824, 0.3300, 0.3465

Deuteranopia

28.9262, 0.3271, 0.3214



Tritanopia

29.1401, 0.2467, 0.3068

Trichromacy



Original Color

29.2222, 0.2610, 0.3615

Protanomaly

28.4038, 0.2998, 0.3511

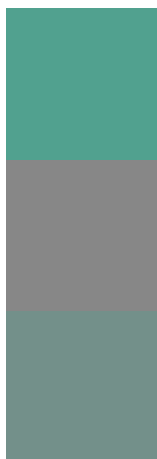
Deuteranomaly

28.3955, 0.2975, 0.3339

Tritanomaly

28.9702, 0.2517, 0.3253

Monochromacy



Original Color

29.2222, 0.2610, 0.3615

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4263, 0.2889, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2222, 0.2610, 0.3615 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(81, 161, 143)` looks like.

```
.text, #text, p{  
    color:rgb(81, 161, 143)  
}
```

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(81, 161, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 161, 143) }
```

Border

The CSS property to change the border of an element to Yxy 29.2222, 0.2610, 0.3615 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(81, 161, 143) }
```

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

```
.border{ border-color:rgb(81, 161, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 161, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 161, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 161, 143);  
box-shadow:4px 4px 4px 4px rgb(81, 161,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2222, 0.2610, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 161, 143) }
```

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

```
.background{ background-color: rgb(81, 161,  
143) }
```

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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