

Converting Colors

$Y_{xy}(29.6063, 0.2777, 0.3699)$

Have a look what the booklet for
Yxy(29.6063, 0.2777, 0.3699)
contains.

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Color

$\text{Yxy}(29.6004, 0.2778, 0.3698)$

Conversions

Conversions Part 1

Format	Color
Hex	63A089
RGB	99, 160, 137
RGB Percent	39%, 63%, 54%
CMY	0.6115, 0.3726, 0.4627
CMYK	0.38, 0.00, 0.14, 0.37
HSL	157°, 24%, 51%
HSV	157°, 38%, 63%
XYZ	22.2363, 29.6004, 28.2076
YIQ	139.1390, -28.9730, -20.0850

Conversions

Conversions Part 2

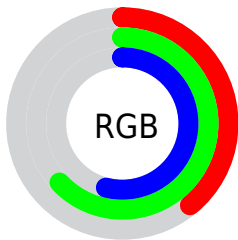
Format	Color
R_{YB}	99, 137, 160
Decimal	6529161
CIE _{Lab}	61.31, -25.13, 5.79
CIE _{LCh}	61, 25.792, 167.021
Yxy	29.6004, 0.2778, 0.3698
Android (android.graphics.Color)	4284719241 (0xFF63A089)
YUV	139.1390, -1.0545, -35.2019
Hunter-Lab	54.4062, -22.2564, 7.3447

Details

The Yxy color $29.6004, 0.2778, 0.3698$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.8144, 0.3687, 0.2921$, and the grayscale version is $25.8929, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.9940, 0.2852, 0.3615$, and $12.0416, 0.2657, 0.3854$ is the 20% darker color. If you saturate the color by 10%, you get $28.6189, 0.2706, 0.3827$, and if you desaturate by 10%, it is $30.7726, 0.2861, 0.3577$.

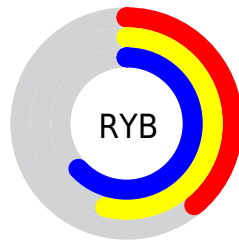
Distribution



Red (39%)

Green (63%)

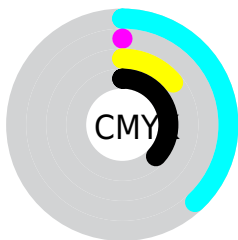
Blue (54%)



Red (39%)

Yellow (54%)

Blue (63%)

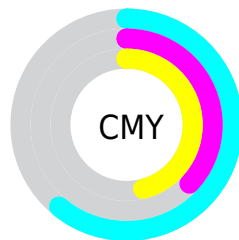


Cyan (38%)

Magenta (0%)

Yellow (14%)

Black (37%)



Cyan (61%)

Magenta (37%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6004, 0.2778, 0.3698 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 29.6004, 0.2778, 0.3698 by changing the saturation by 10% instead.

 29.6004, 0.2778,
0.3698


 29.6004, 0.2778,
0.3698


300.0374, 0.2968,
0.3473


 19.5355, 0.2725,
0.3762


 59.0297, 0.2851,
0.3611


 12.0578, 0.2652,
0.3850


 79.1628, 0.2877,
0.3580

 6.7831, 0.2548,
0.3979

 103.4208, 0.2899,
0.3554

 3.3268, 0.2387,
0.4182

 132.1880, 0.2917,
0.3533

 1.3046, 0.2030,
0.4595

165.8489, 0.2933,
0.3515

 0.1448, 0.0000,
1.0000

204.7878, 0.2946,

 0.0000, 0.0000,

0.3499

0.0000

249.3892, 0.2958,
0.3485

■ 29.6004, 0.2778,
0.3698

■ 29.6004, 0.2778,
0.3698

■ 28.6189, 0.2706,
0.3827

■ 30.7726, 0.2861,
0.3577

■ 27.8136, 0.2649,
0.3964

■ 32.1417, 0.2951,
0.3466

■ 27.1741, 0.2608,
0.4106

■ 33.7182, 0.3047,
0.3365


■ 26.6867, 0.2586,
0.4250


■ 35.5105, 0.3146,
0.3273


■ 26.3361, 0.2583,
0.4393

■ 37.5269, 0.3246,
0.3192

 26.0944, 0.2597,
0.4535

 39.7749, 0.3345,
0.3119

 26.0522, 0.2601,
0.4562

 42.2618, 0.3442,
0.3056

 44.9947, 0.3537,
0.3000

 47.9803, 0.3628,
0.2951

Harmonies

Analogous

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



29.6004, 0.3179, 0.3984



29.6004, 0.2778, 0.3698



29.6004, 0.2483, 0.3290

Triad

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



29.6004, 0.2778, 0.3698



29.6004, 0.2655, 0.2612



29.6004, 0.3964, 0.3574

Complementary

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



29.6004, 0.2778, 0.3698



17.8144, 0.3687, 0.2921

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.



29.6004, 0.3809, 0.3235



29.6004, 0.2778, 0.3698



29.6004, 0.3030, 0.2702

Square

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



29.6004, 0.2778, 0.3698



29.6004, 0.2418, 0.2681



29.6004, 0.3457, 0.2925



29.6004, 0.3876, 0.3872

Rectangle

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



29.6004, 0.2778, 0.3698



29.6004, 0.2378, 0.3030



29.6004, 0.3457, 0.2925



29.6004, 0.3939, 0.3462

Sweetspot

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



29.6016, 0.2778, 0.3698



60.2913, 0.3017, 0.3395



30.2096, 0.3293, 0.4343



13.1427, 0.3005, 0.3408



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.



29.6016, 0.2778, 0.3698



52.1645, 0.2714, 0.3812



27.9386, 0.2591, 0.3166



7.4670, 0.3036, 0.3376



20.3047, 0.2597, 0.4549



0.3711, 0.2440, 0.3983

Inverse Universe

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



17.8144, 0.3687, 0.2921



27.5377, 0.3880, 0.2837



18.7178, 0.3992, 0.3408



6.6855, 0.3228, 0.3206



6.0871, 0.5419, 0.2759



0.1167, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 29.6004, 0.2778, 0.3698 looks on a white background.

Color Contrast Check

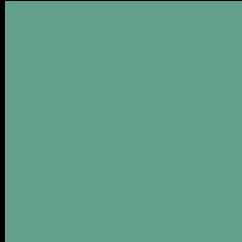
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6004, 0.2778, 0.3698 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 29.6004, 0.2778, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 29.6004, 0.2778, 0.3698.



This preview shows how white text looks on a background with the Yxy color 29.6004, 0.2778, 0.3698.

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

29.6004, 0.2778, 0.3698

Protanopia

29.3492, 0.3370, 0.3559

Deuteranopia

29.1616, 0.3377, 0.3306



Tritanopia

29.6683, 0.2593, 0.3090

Trichromacy



Original Color

29.6004, 0.2778, 0.3698

Protanomaly

29.2183, 0.3122, 0.3607

Deuteranomaly

28.9638, 0.3120, 0.3437

Tritanomaly

29.4318, 0.2652, 0.3289

Monochromacy



Original Color

29.6004, 0.2778, 0.3698

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.9875, 0.2978, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6004, 0.2778, 0.3698 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(99, 160, 137)` looks like.

```
.text, #text, p{  
    color:rgb(99, 160, 137)  
}
```

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(99, 160, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 160, 137) }
```

Border

The CSS property to change the border of an element to Yxy 29.6004, 0.2778, 0.3698 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(99, 160, 137) }
```

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

```
.border{ border-color:rgb(99, 160, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 160, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 160, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 160, 137);  
box-shadow:4px 4px 4px 4px rgb(99, 160,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6004, 0.2778, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 160, 137) }
```

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

```
.background{ background-color: rgb(99, 160,  
137) }
```

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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