

Converting Colors

$Y_{xy}(28.0223, 0.2744, 0.3535)$

Have a look what the booklet for
Yxy(28.0223, 0.2744, 0.3535)
contains.

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Color

$\text{Yxy}(28.0751, 0.2746, 0.3539)$

Conversions

Conversions Part 1

Format	Color
Hex	649B8D
RGB	100, 155, 141
RGB Percent	39%, 61%, 55%
CMY	0.6079, 0.3921, 0.4470
CMYK	0.35, 0.00, 0.09, 0.39
HSL	165°, 22%, 50%
HSV	165°, 35%, 61%
XYZ	21.7842, 28.0751, 29.4713
YIQ	136.9590, -28.2860, -16.0140

Conversions

Conversions Part 2

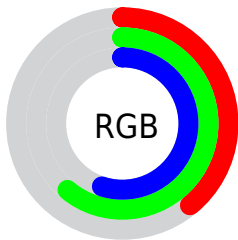
Format	Color
RYB	100, 132, 155
Decimal	6593421
CIELab	59.96, -21.41, 1.59
CIELCh	60, 21.470, 175.762
Yxy	28.0751, 0.2746, 0.3539
Android (android.graphics.Color)	4284783501 (0xFF649B8D)
YUV	136.9590, 1.9922, -32.4130
Hunter-Lab	52.9859, -19.3384, 4.1125

Details

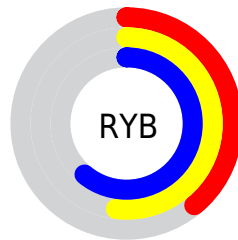
The Yxy color **28.0751, 0.2746, 0.3539** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.2971, 0.3733, 0.3059**, and the grayscale version is **25.0004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8056, 0.2824, 0.3485**, and **11.3089, 0.2609, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **27.1596, 0.2660, 0.3622**, and if you desaturate by 10%, it is **29.1653, 0.2844, 0.3461**.

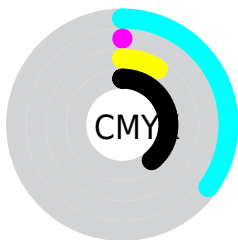
Distribution



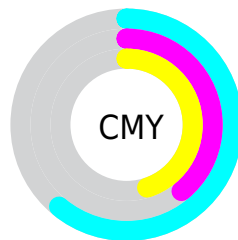
- Red (39%)
- Green (61%)
- Blue (55%)



- Red (39%)
- Yellow (52%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (39%)





- Cyan (61%)
- Magenta (39%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0751, 0.2746, 0.3539 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 28.0751, 0.2746, 0.3539 by changing the saturation by 10% instead.


 28.0751, 0.2746,
0.3539


 28.0751, 0.2746,
0.3539


292.8256, 0.2953,
0.3403


 18.3823, 0.2688,
0.3577


 56.6043, 0.2825,
0.3487


 11.2248, 0.2610,
0.3630


 76.2095, 0.2854,
0.3468

 6.2182, 0.2499,
0.3705

 99.8876, 0.2877,
0.3452

 2.9782, 0.2326,
0.3823

 128.0230, 0.2897,
0.3439

 1.1204, 0.1916,
0.4089

161.0001, 0.2914,
0.3428

 0.0000, 0.0000,
0.0000

199.2033, 0.2929,

0.3419

243.0170, 0.2942,
0.3410

■ 28.0751, 0.2746,
0.3539

■ 28.0751, 0.2746,
0.3539

■ 27.1596, 0.2660,
0.3622

■ 29.1653, 0.2844,
0.3461

■ 26.4056, 0.2587,
0.3710

■ 30.4355, 0.2951,
0.3389

■ 25.8038, 0.2532,
0.3800


■ 31.8951, 0.3064,
0.3323


■ 25.3424, 0.2494,
0.3893


■ 33.5519, 0.3180,
0.3264

■ 25.0076, 0.2476,
0.3987

■ 35.4132, 0.3298,
0.3211

 24.7814, 0.2476,
0.4080

 37.4858, 0.3416,
0.3163

 24.6946, 0.2478,
0.4122

 39.7764, 0.3531,
0.3121

 42.2912, 0.3644,
0.3085

 45.0363, 0.3754,
0.3053

Harmonies

Analogous

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



28.0751, 0.3071, 0.3819



28.0751, 0.2746, 0.3539



28.0751, 0.2529, 0.3195

Triad

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



28.0751, 0.2746, 0.3539



28.0751, 0.2810, 0.2717



28.0751, 0.3835, 0.3619

Complementary

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



28.0751, 0.2746, 0.3539



17.2971, 0.3733, 0.3059

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.



28.0751, 0.3762, 0.3332



28.0751, 0.2746, 0.3539



28.0751, 0.3153, 0.2831

Square

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



28.0751, 0.2746, 0.3539



28.0751, 0.2565, 0.2738



28.0751, 0.3506, 0.3050



28.0751, 0.3707, 0.3844

Rectangle

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



28.0751, 0.2746, 0.3539



28.0751, 0.2469, 0.2989



28.0751, 0.3506, 0.3050



28.0751, 0.3834, 0.3527

Sweetspot

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



28.0762, 0.2746, 0.3539



55.5787, 0.2998, 0.3360



27.9861, 0.3219, 0.4280



12.5075, 0.2984, 0.3369



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.0762, 0.2746, 0.3539



48.8876, 0.2673, 0.3608



24.4719, 0.2609, 0.3060



6.9997, 0.3021, 0.3347



19.8401, 0.2476, 0.4114



0.3023, 0.2362, 0.3704

Inverse Universe

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



17.2971, 0.3733, 0.3059



26.5044, 0.3947, 0.3004



19.6614, 0.3871, 0.3506



6.2472, 0.3245, 0.3234



5.7227, 0.5863, 0.3003



0.0908, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 28.0751, 0.2746, 0.3539 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 28.0751, 0.2746, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

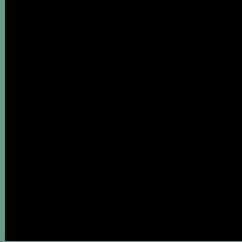
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0751, 0.2746, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 28.0751, 0.2746, 0.3539.

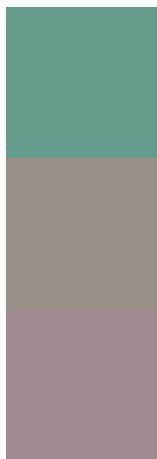


This preview shows how white text looks on a background with the Yxy color 28.0751, 0.2746, 0.3539.

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

28.0751, 0.2746, 0.3539

Protanopia

27.7838, 0.3272, 0.3419

Deuteranopia

27.6470, 0.3274, 0.3213



Tritanopia

28.1401, 0.2605, 0.3086

Trichromacy



Original Color

28.0751, 0.2746, 0.3539

Protanomaly

27.4989, 0.3058, 0.3459

Deuteranomaly

27.4682, 0.3053, 0.3323

Tritanomaly

28.0663, 0.2651, 0.3237

Monochromacy



Original Color

28.0751, 0.2746, 0.3539

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0666, 0.2978, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0751, 0.2746, 0.3539 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(100, 155, 141)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 141)  
}
```

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(100, 155, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 141) }
```

Border

The CSS property to change the border of an element to Yxy 28.0751, 0.2746, 0.3539 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(100, 155, 141) }
```

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

```
.border{ border-color:rgb(100, 155, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 141);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0751, 0.2746, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 141) }
```

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

```
.background{ background-color: rgb(100,  
155, 141) }
```

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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