

Converting Colors

$Y_{xy}(27.9355, 0.2787, 0.3598)$

Have a look what the booklet for
Yxy(27.9355, 0.2787, 0.3598)
contains.

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Color

$Y_{xy}(28.0736, 0.2794, 0.3612)$

Conversions

Conversions Part 1

Format	Color
Hex	669B89
RGB	102, 155, 137
RGB Percent	40%, 61%, 54%
CMY	0.6000, 0.3921, 0.4628
CMYK	0.34, 0.00, 0.12, 0.39
HSL	160°, 21%, 50%
HSV	160°, 34%, 61%
XYZ	21.7158, 28.0736, 27.9337
YIQ	137.1010, -25.8100, -16.8340

Conversions

Conversions Part 2

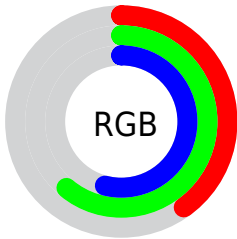
Format	Color
RYB	102, 134, 155
Decimal	6724489
CIELab	59.96, -21.73, 3.87
CIELCh	60, 22.068, 169.888
Yxy	28.0736, 0.2794, 0.3612
Android (android.graphics.Color)	4284914569 (0xFF669B89)
YUV	137.1010, -0.0498, -30.7836
Hunter-Lab	52.9845, -19.5642, 5.8312

Details

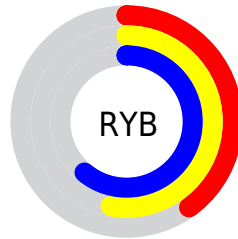
The Yxy color $28.0736, 0.2794, 0.3612$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.8307, 0.3636, 0.2993$, and the grayscale version is $25.0648, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.7795, 0.2868, 0.3551$, and $11.3188, 0.2679, 0.3750$ is the 20% darker color. If you saturate the color by 10%, you get $27.1045, 0.2714, 0.3725$, and if you desaturate by 10%, it is $29.2217, 0.2884, 0.3507$.

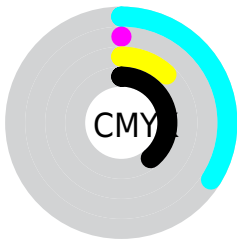
Distribution



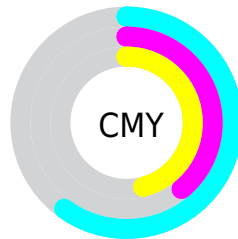
- Red (40%)
- Green (61%)
- Blue (54%)



- Red (40%)
- Yellow (53%)
- Blue (61%)



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)




- Cyan (60%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0736, 0.2794, 0.3612 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 28.0736, 0.2794, 0.3612 by changing the saturation by 10% instead.


 28.0736, 0.2794,
0.3612


 28.0736, 0.2794,
0.3612

292.8184, 0.2976,
0.3434


 18.3811, 0.2743,
0.3663


 56.6019, 0.2864,
0.3543


 11.2240, 0.2673,
0.3733


 76.2066, 0.2889,
0.3518

 6.2177, 0.2572,
0.3835

 99.8841, 0.2910,
0.3498

 2.9779, 0.2415,
0.3998

 128.0189, 0.2927,
0.3481

 1.1202, 0.2015,
0.4365

160.9953, 0.2942,
0.3467

 0.0000, 0.0000,
0.0000

199.1978, 0.2955,

0.3455

243.0107, 0.2966,
0.3444

■ 28.0736, 0.2794,
0.3612

■ 28.0736, 0.2794,
0.3612

■ 27.1045, 0.2714,
0.3725

■ 29.2217, 0.2884,
0.3507

■ 26.3014, 0.2647,
0.3844

■ 30.5543, 0.2981,
0.3411

■ 25.6550, 0.2597,
0.3968


■ 32.0806, 0.3084,
0.3324

■ 25.1536, 0.2564,
0.4096


■ 33.8085, 0.3188,
0.3245

■ 24.7836, 0.2550,
0.4224

■ 35.7451, 0.3293,
0.3175


 24.5290, 0.2555,
0.4352

 37.8975, 0.3397,
0.3113

 24.4088, 0.2563,
0.4425

 40.2722, 0.3499,
0.3058

 42.8755, 0.3598,
0.3010

 45.7135, 0.3693,
0.2969

Harmonies

Analogous

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



28.0736, 0.3140, 0.3873



28.0736, 0.2794, 0.3612



28.0736, 0.2545, 0.3259

Triad

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



28.0736, 0.2794, 0.3612



28.0736, 0.2742, 0.2695



28.0736, 0.3857, 0.3572

Complementary

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



28.0736, 0.2794, 0.3612



17.8307, 0.3636, 0.2993

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.



28.0736, 0.3741, 0.3273



28.0736, 0.2794, 0.3612



28.0736, 0.3080, 0.2787

Square

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



28.0736, 0.2794, 0.3612



28.0736, 0.2518, 0.2745



28.0736, 0.3450, 0.2993



28.0736, 0.3763, 0.3822

Rectangle

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



28.0736, 0.2794, 0.3612



28.0736, 0.2462, 0.3038



28.0736, 0.3450, 0.2993



28.0736, 0.3842, 0.3474

Sweetspot

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



28.0747, 0.2794, 0.3612



55.7661, 0.3022, 0.3375



28.4363, 0.3261, 0.4226



12.5432, 0.3008, 0.3387



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.



28.0747, 0.2794, 0.3612



48.9263, 0.2732, 0.3697



26.0764, 0.2637, 0.3149



6.9908, 0.3032, 0.3367



19.6117, 0.2560, 0.4415



0.2999, 0.2406, 0.3863

Inverse Universe

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



17.8307, 0.3636, 0.2993



27.7441, 0.3802, 0.2926



19.0716, 0.3859, 0.3425



6.2556, 0.3233, 0.3215



5.8081, 0.5560, 0.2836



0.0932, 0.4517, 0.2262

Previews

White Background



This preview shows how the Yxy color 28.0736, 0.2794, 0.3612 looks on a white background.

Color Contrast Check

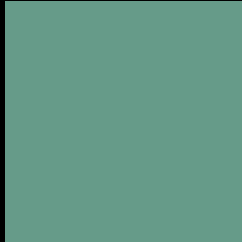
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0736, 0.2794, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

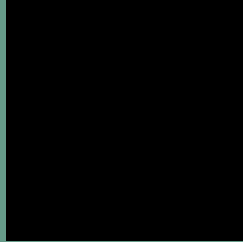
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0736, 0.2794, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 28.0736, 0.2794, 0.3612.

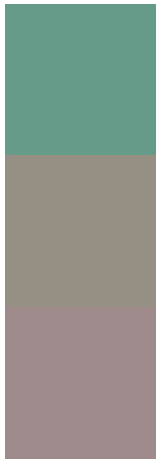


This preview shows how white text looks on a background with the Yxy color 28.0736, 0.2794, 0.3612.

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

28.0736, 0.2794, 0.3612

Protanopia

27.7676, 0.3325, 0.3484

Deuteranopia

27.7296, 0.3338, 0.3275



Tritanopia

27.9657, 0.2633, 0.3086

Trichromacy



Original Color

28.0736, 0.2794, 0.3612

Protanomaly

27.5474, 0.3116, 0.3527

Deuteranomaly

27.5182, 0.3112, 0.3389

Tritanomaly

27.8537, 0.2688, 0.3254

Monochromacy



Original Color

28.0736, 0.2794, 0.3612

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0377, 0.2987, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0736, 0.2794, 0.3612 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(102, 155, 137)` looks like.

```
.text, #text, p{  
    color:rgb(102, 155, 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(102, 155, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 155, 137) }
```

Border

The CSS property to change the border of an element to Yxy 28.0736, 0.2794, 0.3612 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(102, 155, 137) }
```

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

```
.border{ border-color:rgb(102, 155, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 155, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 155, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 155, 137);  
box-shadow:4px 4px 4px 4px rgb(102, 155,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0736, 0.2794, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 155, 137) }
```

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

```
.background{ background-color: rgb(102,  
155, 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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