

Converting Colors

$Y_{xy}(27.1588, 0.2731, 0.3376)$

Have a look what the booklet for
Yxy(27.1588, 0.2731, 0.3376)
contains.

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Color

Yxy(27.1516, 0.2732, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	689792
RGB	104, 151, 146
RGB Percent	41%, 59%, 57%
CMY	0.5921, 0.4078, 0.4274
CMYK	0.31, 0.00, 0.03, 0.41
HSL	174°, 18%, 50%
HSV	174°, 31%, 59%
XYZ	21.9657, 27.1516, 31.2842
YIQ	136.3770, -26.4070, -11.5190

Conversions

Conversions Part 2

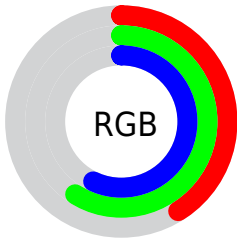
Format	Color
RYB	104, 129, 151
Decimal	6854546
CIELab	59.11, -16.93, -2.47
CIElCh	59, 17.112, 188.284
Yxy	27.1516, 0.2732, 0.3377
Android (android.graphics.Color)	4285044626 (0xFF689792)
YUV	136.3770, 4.7441, -28.3946
Hunter-Lab	52.1072, -15.9412, 0.8784

Details

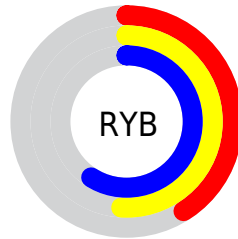
The Yxy color $27.1516, 0.2732, 0.3377$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.5861, 0.3733, 0.3207$, and the grayscale version is $24.7602, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.0009, 0.2815, 0.3354$, and $10.7431, 0.2588, 0.3395$ is the 20% darker color. If you saturate the color by 10%, you get $26.2789, 0.2626, 0.3409$, and if you desaturate by 10%, it is $28.1890, 0.2850, 0.3347$.

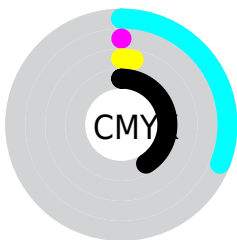
Distribution



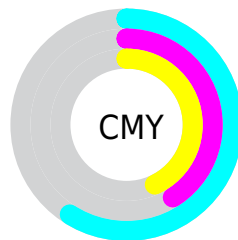
- Red (41%)
- Green (59%)
- Blue (57%)



- Red (41%)
- Yellow (51%)
- Blue (59%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)
- Black (41%)





- Cyan (59%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1516, 0.2732, 0.3377 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 27.1516, 0.2732, 0.3377 by changing the saturation by 10% instead.

 27.1516, 0.2732,
0.3377


 27.1516, 0.2732,
0.3377


288.3904, 0.2946,
0.3332


 17.6871, 0.2673,
0.3389


 55.1270, 0.2814,
0.3360

 10.7256, 0.2592,
0.3405


 74.4068, 0.2843,
0.3354

 5.8826, 0.2478,
0.3426

 97.7271, 0.2868,
0.3349

 2.7738, 0.2301,
0.3456

 125.4723, 0.2888,
0.3344

 1.0148, 0.1904,
0.3542

158.0268, 0.2906,
0.3340

 0.0000, 0.0000,
0.0000

195.7751, 0.2921,

0.3337

239.1015, 0.2934,
0.3334

■ 27.1516, 0.2732,
0.3377

■ 27.1516, 0.2732,
0.3377

■ 26.2789, 0.2626,
0.3409

■ 28.1890, 0.2850,
0.3347

■ 25.5591, 0.2535,
0.3443

■ 29.3957, 0.2977,
0.3319

■ 24.9836, 0.2461,
0.3478

■ 30.7805, 0.3112,
0.3293

■ 24.5421, 0.2404,
0.3514

■ 32.3502, 0.3250,
0.3269

■ 24.2226, 0.2366,
0.3549

■ 34.1116, 0.3391,
0.3248

■ 24.0112, 0.2346,
0.3585

■ 36.0709, 0.3532,
0.3230

■ 23.8821, 0.2338,
0.3617

■ 38.2343, 0.3670,
0.3214

■ 40.6073, 0.3806,
0.3199

■ 43.1957, 0.3937,
0.3187

Harmonies

Analogous

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



27.1516, 0.2967, 0.3631



27.1516, 0.2732, 0.3377



27.1516, 0.2603, 0.3110

Triad

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



27.1516, 0.2732, 0.3377



27.1516, 0.2982, 0.2848



27.1516, 0.3673, 0.3646

Complementary

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



27.1516, 0.2732, 0.3377



17.5861, 0.3733, 0.3207

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.



27.1516, 0.3682, 0.3429



27.1516, 0.2732, 0.3377



27.1516, 0.3272, 0.2982

Square

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



27.1516, 0.2732, 0.3377



27.1516, 0.2742, 0.2820



27.1516, 0.3532, 0.3189



27.1516, 0.3513, 0.3782

Rectangle

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



27.1516, 0.2732, 0.3377



27.1516, 0.2590, 0.2965



27.1516, 0.3532, 0.3189



27.1516, 0.3694, 0.3580

Sweetspot

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



27.1527, 0.2732, 0.3377



53.0999, 0.3003, 0.3313



26.4154, 0.3139, 0.4160



11.9962, 0.2985, 0.3317



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.1527, 0.2732, 0.3377



47.5596, 0.2660, 0.3398



21.9497, 0.2656, 0.2962



7.0153, 0.3002, 0.3314



20.3198, 0.2337, 0.3614



0.3066, 0.2293, 0.3455

Inverse Universe

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



17.5861, 0.3733, 0.3207



27.7727, 0.3921, 0.3189



21.5038, 0.3716, 0.3596



6.2328, 0.3267, 0.3267



5.6313, 0.6242, 0.3212



0.0866, 0.5602, 0.2860

Previews

White Background



This preview shows how the Yxy color 27.1516, 0.2732, 0.3377 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 27.1516, 0.2732, 0.3377 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 27.1516, 0.2732, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 27.1516, 0.2732, 0.3377.



This preview shows how white text looks on a background with the Yxy color 27.1516, 0.2732, 0.3377.

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

27.1516, 0.2732, 0.3377

Protanopia

26.9629, 0.3180, 0.3306

Deuteranopia

27.0223, 0.3168, 0.3117



Tritanopia

27.1939, 0.2636, 0.3084

Trichromacy



Original Color

27.1516, 0.2732, 0.3377

Protanomaly

26.9496, 0.3001, 0.3340

Deuteranomaly

26.9339, 0.2996, 0.3207

Tritanomaly

27.2772, 0.2668, 0.3185

Monochromacy



Original Color

27.1516, 0.2732, 0.3377

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.2283, 0.2959, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1516, 0.2732, 0.3377 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(104, 151, 146)` looks like.

```
.text, #text, p{  
    color:rgb(104, 151, 146)  
}
```

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(104, 151, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 151, 146) }
```

Border

The CSS property to change the border of an element to Yxy 27.1516, 0.2732, 0.3377 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(104, 151, 146) }
```

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

```
.border{ border-color:rgb(104, 151, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 151, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 151, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 151, 146);  
box-shadow:4px 4px 4px 4px rgb(104, 151,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1516, 0.2732, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 151, 146) }
```

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

```
.background{ background-color: rgb(104,  
151, 146) }
```

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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