

Converting Colors

$Y_{xy}(29.6689, 0.2427, 0.2735)$

Have a look what the booklet for
Yxy(29.6689, 0.2427, 0.2735)
contains.

Yxy(29.6689, 0.2427, 0.2735)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.6689, 0.2427, 0.2735)$

Conversions

Conversions Part 1

Format	Color
Hex	679ABD
RGB	103, 154, 189
RGB Percent	40%, 60%, 74%
CMY	0.5964, 0.3960, 0.2588
CMYK	0.46, 0.19, 0.00, 0.26
HSL	204°, 39%, 57%
HSV	204°, 46%, 74%
XYZ	26.3278, 29.6689, 52.4820
YIQ	142.7410, -41.6310, 0.0730

Conversions

Conversions Part 2

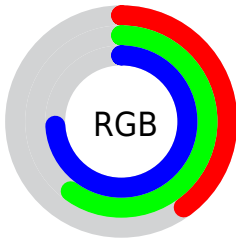
Format	Color
RYB	103, 135, 189
Decimal	6789821
CIELab	61.37, -7.55, -23.42
CIElCh	61, 24.606, 252.138
Yxy	29.6689, 0.2427, 0.2735
Android (android.graphics.Color)	4284979901 (0xFF679ABD)
YUV	142.7410, 22.8057, -34.8529
Hunter-Lab	54.4692, -9.0428, -18.9985

Details

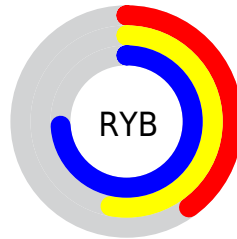
The Yxy color **29.6689, 0.2427, 0.2735** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.9476, 0.4097, 0.3775**, and the grayscale version is **27.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9734, 0.2566, 0.2848**, and **12.1064, 0.2204, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **26.2214, 0.2286, 0.2586**, and if you desaturate by 10%, it is **33.5335, 0.2577, 0.2875**.

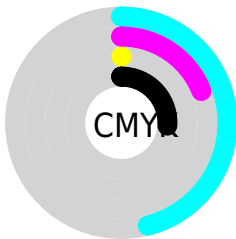
Distribution



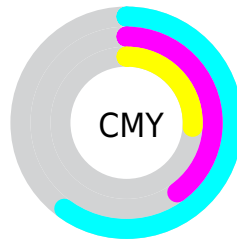
- Red (40%)
- Green (60%)
- Blue (74%)



- Red (40%)
- Yellow (53%)
- Blue (74%)



- Cyan (46%)
- Magenta (19%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6689, 0.2427, 0.2735 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 29.6689, 0.2427, 0.2735 by changing the saturation by 10% instead.

■ 29.6689, 0.2427,
0.2735

■ 29.6689, 0.2427,
0.2735

■ 300.3581, 0.2793,
0.3033

■ 19.5874, 0.2331,
0.2654

■ 59.1382, 0.2564,
0.2848

■ 12.0955, 0.2206,
0.2547

■ 79.2947, 0.2614,
0.2889

■ 6.8087, 0.2036,
0.2399

■ 103.5785, 0.2656,
0.2923

■ 3.3428, 0.1796,
0.2182

■ 132.3737, 0.2692,
0.2952

■ 1.3132, 0.1436,
0.1842

■ 166.0649, 0.2722,
0.2977

■ 0.1514, 0.0000,
0.0682

■ 205.0364, 0.2749,

■ 0.0000, 0.0000,

0.2998

0.0000

249.6727, 0.2773,
0.3017

■ 29.6689, 0.2427,
0.2735

■ 29.6689, 0.2427,
0.2735

■ 26.2214, 0.2286,
0.2586

■ 33.5335, 0.2577,
0.2875

■ 23.1673, 0.2158,
0.2432

■ 37.8303, 0.2732,
0.3006

■ 20.4853, 0.2047,
0.2275

■ 42.5778, 0.2888,
0.3126

■ 18.1496, 0.1957,
0.2118

■ 47.7919, 0.3043,
0.3235

■ 16.1292, 0.1888,
0.1966

■ 53.4880, 0.3194,
0.3332

■ 15.3029, 0.1861,
0.1898

■ 59.6805, 0.3339,
0.3419

■ 66.3830, 0.3477,
0.3496

■ 73.6089, 0.3608,
0.3564

■ 77.7899, 0.3595,
0.3639

Harmonies

Analogous

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



29.6689, 0.2398, 0.2987



29.6689, 0.2427, 0.2735



29.6689, 0.2629, 0.2641

Triad

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



29.6689, 0.2427, 0.2735



29.6689, 0.3732, 0.3186



29.6689, 0.3243, 0.3974

Complementary

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



29.6689, 0.2427, 0.2735



29.9476, 0.4097, 0.3775

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.



29.6689, 0.3618, 0.3990



29.6689, 0.2427, 0.2735



29.6689, 0.3916, 0.3512

Square

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



29.6689, 0.2427, 0.2735



29.6689, 0.3378, 0.2899



29.6689, 0.3870, 0.3807



29.6689, 0.2852, 0.3734

Rectangle

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



29.6689, 0.2427, 0.2735



29.6689, 0.2845, 0.2667



29.6689, 0.3870, 0.3807



29.6689, 0.3376, 0.4005

Sweetspot

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



29.6700, 0.2427, 0.2735



77.4391, 0.2909, 0.3141



41.0903, 0.2842, 0.4123



16.2378, 0.2875, 0.3116



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.6700, 0.2427, 0.2735



46.7662, 0.2281, 0.2581



18.0393, 0.2302, 0.2025



10.1413, 0.2984, 0.3195



10.4495, 0.1866, 0.1918



0.5348, 0.1967, 0.2282

Inverse Universe

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



22.8384, 0.3605, 0.2601



34.2840, 0.3765, 0.2460



44.5974, 0.3839, 0.4299



9.6288, 0.3198, 0.3155



8.0846, 0.4547, 0.2279



0.3293, 0.4145, 0.2057

Previews

White Background



This preview shows how the Yxy color 29.6689, 0.2427, 0.2735 looks on a white background.

Color Contrast Check

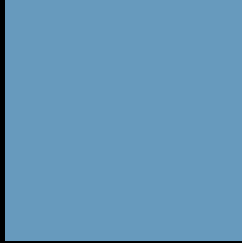
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6689, 0.2427, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

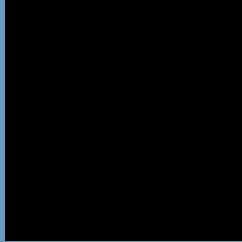
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

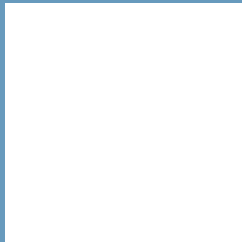
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6689, 0.2427, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 29.6689, 0.2427, 0.2735.

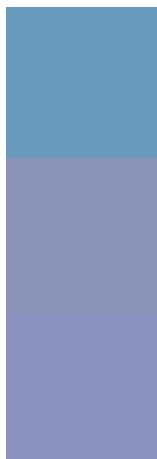


This preview shows how white text looks on a background with the Yxy color 29.6689, 0.2427, 0.2735.

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

29.6689, 0.2427, 0.2735

Protanopia

29.4656, 0.2732, 0.2732

Deuteranopia

29.5014, 0.2669, 0.2609



Tritanopia

29.5576, 0.2518, 0.3071

Trichromacy



Original Color

29.6689, 0.2427, 0.2735

Protanomaly

29.4333, 0.2611, 0.2734

Deuteranomaly

29.3331, 0.2574, 0.2650

Tritanomaly

29.6039, 0.2483, 0.2944

Monochromacy



Original Color

29.6689, 0.2427, 0.2735

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.9947, 0.2823, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6689, 0.2427, 0.2735 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(103, 154, 189)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 189)  
}
```

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(103, 154, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.6689, 0.2427, 0.2735 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(103, 154, 189) }
```

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

```
.border{ border-color:rgb(103, 154, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 154, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 154, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 154, 189);  
box-shadow:4px 4px 4px 4px rgb(103, 154,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6689, 0.2427, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 189) }
```

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

```
.background{ background-color: rgb(103,  
154, 189) }
```

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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