

Converting Colors

$Yxy(30.2808, 0.2406, 0.2682)$

Have a look what the booklet for
Yxy(30.2808, 0.2406, 0.2682)
contains.

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Color

Yxy(30.2808, 0.2406, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	689BC2
RGB	104, 155, 194
RGB Percent	41%, 61%, 76%
CMY	0.5923, 0.3921, 0.2392
CMYK	0.46, 0.20, 0.00, 0.24
HSL	206°, 42%, 58%
HSV	206°, 46%, 76%
XYZ	27.1647, 30.2808, 55.4583
YIQ	144.1970, -42.9150, 1.3170

Conversions

Conversions Part 2

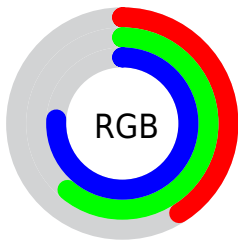
Format	Color
RYB	104, 137, 194
Decimal	6855618
CIELab	61.90, -6.41, -25.42
CIElCh	62, 26.214, 255.853
Yxy	30.2808, 0.2406, 0.2682
Android (android.graphics.Color)	4285045698 (0xFF689BC2)
YUV	144.1970, 24.5529, -35.2528
Hunter-Lab	55.0280, -8.1822, -21.2341

Details

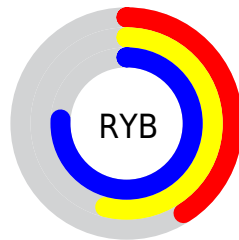
The Yxy color **30.2808, 0.2406, 0.2682** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.1015, 0.4109, 0.3816**, and the grayscale version is **27.8825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9369, 0.2542, 0.2795**, and **12.4225, 0.2182, 0.2487** is the 20% darker color. If you saturate the color by 10%, you get **26.5517, 0.2262, 0.2522**, and if you desaturate by 10%, it is **34.4739, 0.2559, 0.2834**.

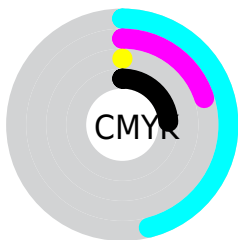
Distribution



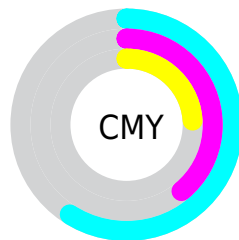
- Red (41%)
- Green (61%)
- Blue (76%)



- Red (41%)
- Yellow (54%)
- Blue (76%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (24%)



- Cyan (59%)
- Magenta (39%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2808, 0.2406, 0.2682 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 30.2808, 0.2406, 0.2682 by changing the saturation by 10% instead.

■ 30.2808, 0.2406,
0.2682

■ 30.2808, 0.2406,
0.2682

■ 303.2111, 0.2782,
0.3006

■ 20.0518, 0.2309,
0.2596

■ 60.1060, 0.2546,
0.2804

■ 12.4327, 0.2182,
0.2482

■ 80.4709, 0.2597,
0.2848

■ 7.0391, 0.2011,
0.2325

■ 104.9834, 0.2640,
0.2886

■ 3.4866, 0.1771,
0.2100

■ 134.0276, 0.2677,
0.2917

■ 1.3907, 0.1416,
0.1756

■ 167.9882, 0.2709,
0.2944

■ 0.2099, 0.0161,
0.0784

■ 207.2493, 0.2736,

■ 0.0000, 0.0000,

0.2967

0.0000

252.1955, 0.2760,
0.2988

■ 30.2808, 0.2406,
0.2682

■ 30.2808, 0.2406,
0.2682

■ 26.5517, 0.2262,
0.2522

■ 34.4739, 0.2559,
0.2834

■ 23.2605, 0.2132,
0.2356

■ 39.1481, 0.2716,
0.2975

■ 20.3836, 0.2019,
0.2187

■ 44.3237, 0.2874,
0.3104

■ 17.8922, 0.1927,
0.2021

■ 50.0187, 0.3029,
0.3221

■ 15.7503, 0.1856,
0.1859

■ 56.2500, 0.3181,
0.3326

■ 15.0450, 0.1834,
0.1802

■ 63.0335, 0.3326,
0.3420

■ 70.3846, 0.3463,
0.3503

■ 77.5195, 0.3562,
0.3579

■ 82.1009, 0.3543,
0.3661

Harmonies

Analogous

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



30.2808, 0.2352, 0.2926



30.2808, 0.2406, 0.2682



30.2808, 0.2639, 0.2606

Triad

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



30.2808, 0.2406, 0.2682



30.2808, 0.3804, 0.3221



30.2808, 0.3196, 0.3997

Complementary

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



30.2808, 0.2406, 0.2682



32.1015, 0.4109, 0.3816

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.



30.2808, 0.3601, 0.4041



30.2808, 0.2406, 0.2682



30.2808, 0.3970, 0.3563

Square

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



30.2808, 0.2406, 0.2682



30.2808, 0.3444, 0.2911



30.2808, 0.3890, 0.3867



30.2808, 0.2789, 0.3716

Rectangle

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



30.2808, 0.2406, 0.2682



30.2808, 0.2877, 0.2646



30.2808, 0.3890, 0.3867



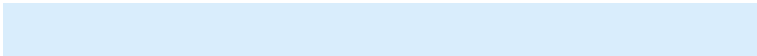
30.2808, 0.3337, 0.4040

Sweetspot

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



30.2819, 0.2406, 0.2682



82.4765, 0.2908, 0.3131



43.4666, 0.2828, 0.4120



17.5823, 0.2874, 0.3104



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.2819, 0.2406, 0.2682



47.8009, 0.2256, 0.2514



18.3055, 0.2278, 0.1969



10.6743, 0.2984, 0.3188



10.0559, 0.1840, 0.1823



0.5694, 0.1940, 0.2183

Inverse Universe

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



23.7294, 0.3651, 0.2616



35.9369, 0.3828, 0.2482



47.8013, 0.3846, 0.4334



10.1714, 0.3202, 0.3160



8.2974, 0.4658, 0.2340



0.3721, 0.4251, 0.2115

Previews

White Background



This preview shows how the Yxy color 30.2808, 0.2406, 0.2682 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2808, 0.2406, 0.2682 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 ✓ Pass

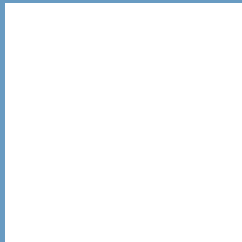
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2808, 0.2406, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 30.2808, 0.2406, 0.2682.

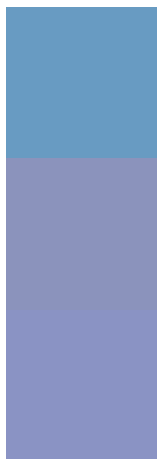


This preview shows how white text looks on a background with the Yxy color 30.2808, 0.2406, 0.2682.

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

30.2808, 0.2406, 0.2682

Protanopia

29.9872, 0.2695, 0.2679

Deuteranopia

30.2562, 0.2626, 0.2573



Tritanopia

30.3162, 0.2511, 0.3073

Trichromacy



Original Color

30.2808, 0.2406, 0.2682

Protanomaly

29.9660, 0.2578, 0.2681

Deuteranomaly

30.1884, 0.2543, 0.2615

Tritanomaly

30.4583, 0.2476, 0.2932

Monochromacy



Original Color

30.2808, 0.2406, 0.2682

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4556, 0.2816, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2808, 0.2406, 0.2682 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, 155, 194)` looks like.

```
.text, #text, p{  
    color:rgb(104, 155, 194)  
}
```

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, 155, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 155, 194) }
```

Border

The CSS property to change the border of an element to Yxy 30.2808, 0.2406, 0.2682 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, 155, 194) }
```

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

```
.border{ border-color:rgb(104, 155, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 155, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 155, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 155, 194);  
box-shadow:4px 4px 4px 4px rgb(104, 155,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2808, 0.2406, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 155, 194) }
```

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

```
.background{ background-color: rgb(104,  
155, 194) }
```

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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