

Converting Colors

$Y_{xy}(30.9701, 0.2421, 0.2737)$

Have a look what the booklet for
Yxy(30.9701, 0.2421, 0.2737)
contains.

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Color

Yxy(30.9073, 0.2418, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	689DC1
RGB	104, 157, 193
RGB Percent	41%, 62%, 76%
CMY	0.5924, 0.3843, 0.2432
CMYK	0.46, 0.19, 0.00, 0.24
HSL	204°, 42%, 58%
HSV	204°, 46%, 76%
XYZ	27.3851, 30.9073, 54.9627
YIQ	145.2570, -43.1440, -0.0400

Conversions

Conversions Part 2

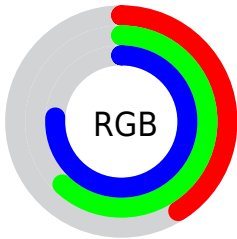
Format	Color
RYB	104, 137, 193
Decimal	6856129
CIELab	62.43, -7.82, -24.02
CIELCh	62, 25.262, 251.972
Yxy	30.9073, 0.2418, 0.2729
Android (android.graphics.Color)	4285046209 (0xFF689DC1)
YUV	145.2570, 23.5373, -36.1824
Hunter-Lab	55.5943, -9.3632, -19.7003

Details

The Yxy color **30.9073, 0.2418, 0.2729** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.0648, 0.4117, 0.3779**, and the grayscale version is **28.3369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3600, 0.2553, 0.2843**, and **12.8005, 0.2200, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **27.3287, 0.2278, 0.2581**, and if you desaturate by 10%, it is **34.9207, 0.2568, 0.2869**.

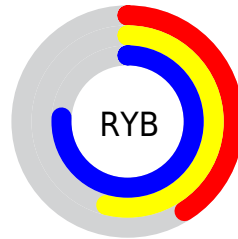
Distribution



Red (41%)

Green (62%)

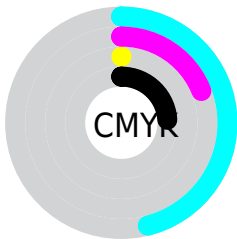
Blue (76%)



Red (41%)

Yellow (54%)

Blue (76%)

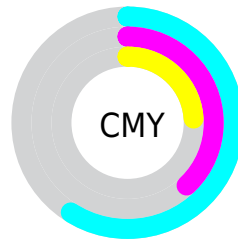


Cyan (46%)

Magenta (19%)

Yellow (0%)

Black (24%)



Cyan (59%)

Magenta (38%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9073, 0.2418, 0.2729 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 30.9073, 0.2418, 0.2729 by changing the saturation by 10% instead.

■ 30.9073, 0.2418,
0.2729

■ 30.9073, 0.2418,
0.2729

■ 306.1110, 0.2786,
0.3028

■ 20.5283, 0.2323,
0.2649

■ 61.0941, 0.2555,
0.2842

■ 12.7796, 0.2199,
0.2543

■ 81.6706, 0.2605,
0.2883

■ 7.2770, 0.2031,
0.2397

■ 106.4152, 0.2648,
0.2918

■ 3.6359, 0.1796,
0.2185

■ 135.7120, 0.2684,
0.2947

■ 1.4721, 0.1449,
0.1858

■ 169.9457, 0.2715,
0.2971

■ 0.2689, 0.0240,
0.0997

■ 209.5004, 0.2742,

■ 0.0000, 0.0000,

0.2993

0.0000

254.7608, 0.2765,
0.3012

■ 30.9073, 0.2418,
0.2729

■ 30.9073, 0.2418,
0.2729

■ 27.3287, 0.2278,
0.2581

■ 34.9207, 0.2568,
0.2869

■ 24.1602, 0.2151,
0.2427

■ 39.3851, 0.2722,
0.3000

■ 21.3790, 0.2042,
0.2271

■ 44.3197, 0.2879,
0.3120

■ 18.9578, 0.1953,
0.2115

■ 49.7415, 0.3034,
0.3229

■ 16.8629, 0.1886,
0.1963

■ 55.6666, 0.3185,
0.3327

■ 16.1160, 0.1863,
0.1905

■ 62.1101, 0.3331,
0.3414

■ 69.0865, 0.3470,
0.3491

■ 75.9718, 0.3576,
0.3561

■ 80.1446, 0.3558,
0.3638

Harmonies

Analogous

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



30.9073, 0.2390, 0.2984



30.9073, 0.2418, 0.2729



30.9073, 0.2621, 0.2634

Triad

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



30.9073, 0.2418, 0.2729



30.9073, 0.3739, 0.3183



30.9073, 0.3247, 0.3984

Complementary

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



30.9073, 0.2418, 0.2729



31.0648, 0.4117, 0.3779

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.



30.9073, 0.3626, 0.3998



30.9073, 0.2418, 0.2729



30.9073, 0.3926, 0.3512

Square

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



30.9073, 0.2418, 0.2729



30.9073, 0.3378, 0.2893



30.9073, 0.3880, 0.3812



30.9073, 0.2851, 0.3742

Rectangle

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



30.9073, 0.2418, 0.2729



30.9073, 0.2839, 0.2659



30.9073, 0.3880, 0.3812



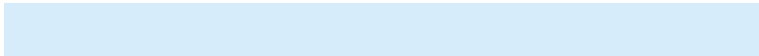
30.9073, 0.3380, 0.4015

Sweetspot

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



30.9085, 0.2418, 0.2729



81.1866, 0.2909, 0.3142



42.9521, 0.2839, 0.4138



16.9811, 0.2875, 0.3117



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



30.9085, 0.2418, 0.2729



49.1219, 0.2281, 0.2585



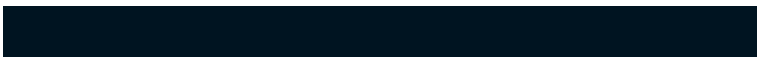
18.5668, 0.2289, 0.2003



10.7237, 0.2984, 0.3195



10.8815, 0.1868, 0.1924



0.6025, 0.1962, 0.2262

Inverse Universe

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



23.6602, 0.3612, 0.2588



35.9065, 0.3763, 0.2456



46.6467, 0.3849, 0.4312



10.1764, 0.3198, 0.3154



8.3807, 0.4539, 0.2274



0.3755, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 30.9073, 0.2418, 0.2729 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 30.9073, 0.2418, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

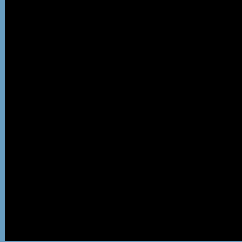
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

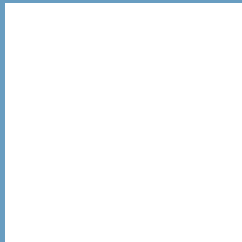
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9073, 0.2418, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 30.9073, 0.2418, 0.2729.

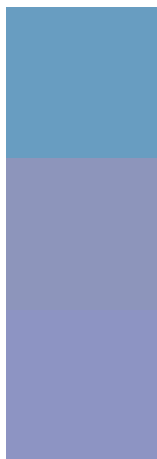


This preview shows how white text looks on a background with the Yxy color 30.9073, 0.2418, 0.2729.

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

30.9073, 0.2418, 0.2729

Protanopia

30.7455, 0.2722, 0.2726

Deuteranopia

30.7827, 0.2660, 0.2606



Tritanopia

30.7554, 0.2514, 0.3074

Trichromacy



Original Color

30.9073, 0.2418, 0.2729

Protanomaly

30.7198, 0.2604, 0.2729

Deuteranomaly

30.6175, 0.2567, 0.2646

Tritanomaly

30.8009, 0.2479, 0.2949

Monochromacy



Original Color

30.9073, 0.2418, 0.2729

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8494, 0.2826, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9073, 0.2418, 0.2729 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, 157, 193)` looks like.

```
.text, #text, p{  
    color:rgb(104, 157, 193)  
}
```

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, 157, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 157, 193) }
```

Border

The CSS property to change the border of an element to Yxy 30.9073, 0.2418, 0.2729 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, 157, 193) }
```

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

```
.border{ border-color:rgb(104, 157, 193) }
```

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

Here you see how a box with a 4 pixel rgb(104, 157, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 157, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 157, 193);  
box-shadow:4px 4px 4px 4px rgb(104, 157,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9073, 0.2418, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 157, 193) }
```

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

```
.background{ background-color: rgb(104,  
157, 193) }
```

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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