

Converting Colors

$Y_{xy}(30.9513, 0.2580, 0.2984)$

Have a look what the booklet for
Yxy(30.9513, 0.2580, 0.2984)
contains.

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Color

Yxy(31.0728, 0.2579, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	709EB1
RGB	112, 158, 177
RGB Percent	44%, 62%, 69%
CMY	0.5607, 0.3804, 0.3059
CMYK	0.37, 0.11, 0.00, 0.31
HSL	198°, 29%, 57%
HSV	198°, 37%, 69%
XYZ	26.8465, 31.0728, 46.1772
YIQ	146.4120, -33.5150, -3.8430

Conversions

Conversions Part 2

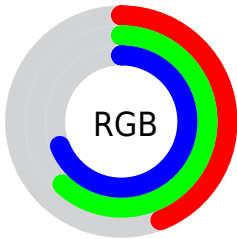
Format	Color
RYB	112, 139, 177
Decimal	7380657
CIELab	62.57, -10.60, -14.80
CIElCh	63, 18.204, 234.388
Yxy	31.0728, 0.2579, 0.2985
Android (android.graphics.Color)	4285570737 (0xFF709EB1)
YUV	146.4120, 15.0799, -30.1793
Hunter-Lab	55.7430, -11.5825, -10.0954

Details

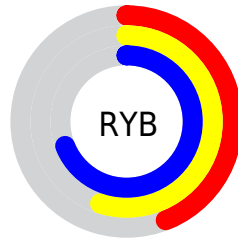
The Yxy color **31.0728, 0.2579, 0.2985** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.7561, 0.3896, 0.3572**, and the grayscale version is **28.8719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5787, 0.2686, 0.3050**, and **12.9313, 0.2408, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **28.2958, 0.2443, 0.2886**, and if you desaturate by 10%, it is **34.1548, 0.2724, 0.3078**.

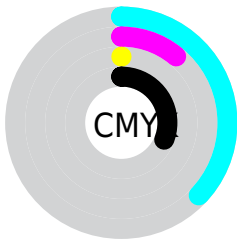
Distribution



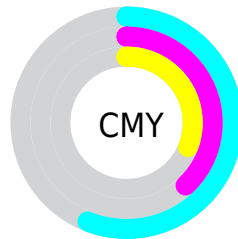
- Red (44%)
- Green (62%)
- Blue (69%)



- Red (44%)
- Yellow (55%)
- Blue (69%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (56%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0728, 0.2579, 0.2985 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 31.0728, 0.2579, 0.2985 by changing the saturation by 10% instead.

■ 31.0728, 0.2579,
0.2985

■ 31.0728, 0.2579,
0.2985

■ 306.8736, 0.2866,
0.3151

■ 20.6543, 0.2503,
0.2939

■ 61.3547, 0.2686,
0.3049

■ 12.8715, 0.2404,
0.2876

■ 81.9868, 0.2726,
0.3072

■ 7.3401, 0.2267,
0.2788

■ 106.7923, 0.2759,
0.3091

■ 3.6757, 0.2069,
0.2653

■ 136.1555, 0.2787,
0.3107

■ 1.4939, 0.1761,
0.2427

■ 170.4609, 0.2811,
0.3120

■ 0.2844, 0.0068,
0.1680

■ 210.0927, 0.2832,

■ 0.0000, 0.0000,

0.3132

0.0000

255.4355, 0.2850,
0.3142

■ 31.0728, 0.2579,
0.2985

■ 31.0728, 0.2579,
0.2985

■ 28.2958, 0.2443,
0.2886

■ 34.1548, 0.2724,
0.3078

■ 25.8059, 0.2318,
0.2782

■ 37.5515, 0.2874,
0.3163

■ 23.5885, 0.2209,
0.2675

■ 41.2763, 0.3025,
0.3242

■ 21.6260, 0.2117,
0.2565

■ 45.3408, 0.3177,
0.3312

■ 19.8979, 0.2045,
0.2456

■ 49.7561, 0.3325,
0.3376

■ 18.3764, 0.1991,
0.2347

■ 54.5324, 0.3470,
0.3432

■ 17.9030, 0.1976,
0.2312

■ 59.6798, 0.3609,
0.3482

■ 65.2076, 0.3741,
0.3526

■ 67.8970, 0.3737,
0.3578

Harmonies

Analogous

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



31.0728, 0.2639, 0.3228



31.0728, 0.2579, 0.2985



31.0728, 0.2656, 0.2839

Triad

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



31.0728, 0.2579, 0.2985



31.0728, 0.3426, 0.3083



31.0728, 0.3386, 0.3810

Complementary

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



31.0728, 0.2579, 0.2985



26.7561, 0.3896, 0.3572

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.



31.0728, 0.3612, 0.3741



31.0728, 0.2579, 0.2985



31.0728, 0.3639, 0.3317

Square

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



31.0728, 0.2579, 0.2985



31.0728, 0.3136, 0.2902



31.0728, 0.3707, 0.3556



31.0728, 0.3097, 0.3726

Rectangle

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



31.0728, 0.2579, 0.2985



31.0728, 0.2778, 0.2808



31.0728, 0.3707, 0.3556



31.0728, 0.3472, 0.3803

Sweetspot

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



31.0740, 0.2579, 0.2985



70.8638, 0.2957, 0.3208



36.5139, 0.2944, 0.4061



15.1676, 0.2937, 0.3197



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.0740, 0.2579, 0.2985



51.6102, 0.2469, 0.2906



21.5679, 0.2503, 0.2444



9.2034, 0.2986, 0.3222



13.0800, 0.1979, 0.2324



0.5064, 0.2063, 0.2625

Inverse Universe

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



23.4089, 0.3390, 0.2636



36.4835, 0.3468, 0.2496



36.6840, 0.3734, 0.4012



8.6035, 0.3181, 0.3130



7.8606, 0.4102, 0.2033



0.2569, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 31.0728, 0.2579, 0.2985 looks on a white background.

Color Contrast Check

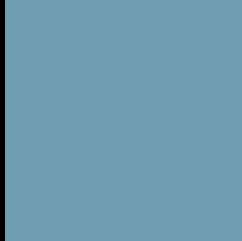
Large Text (above 18pt) WCAG AA × Fail

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 31.0728, 0.2579, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

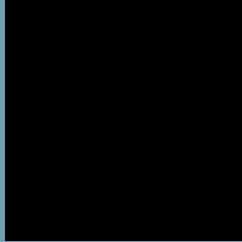
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0728, 0.2579, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 31.0728, 0.2579, 0.2985.



This preview shows how white text looks on a background with the Yxy color 31.0728, 0.2579, 0.2985.

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

31.0728, 0.2579, 0.2985

Protanopia

30.9943, 0.2900, 0.2958

Deuteranopia

30.7975, 0.2885, 0.2819



Tritanopia

31.1543, 0.2609, 0.3078

Trichromacy



Original Color

31.0728, 0.2579, 0.2985

Protanomaly

30.9068, 0.2768, 0.2964

Deuteranomaly

30.6659, 0.2760, 0.2877

Tritanomaly

31.2318, 0.2595, 0.3047

Monochromacy



Original Color

31.0728, 0.2579, 0.2985

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3153, 0.2907, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0728, 0.2579, 0.2985 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(112, 158, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 158, 177)  
}
```

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(112, 158, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 158, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.0728, 0.2579, 0.2985 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(112, 158, 177) }
```

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

```
.border{ border-color:rgb(112, 158, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 158, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 158, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 158, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 158,  
177) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.0728, 0.2579, 0.2985$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 158, 177) }
```

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

```
.background{ background-color: rgb(112,  
158, 177) }
```

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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