

Converting Colors

$Y_{xy}(30.7695, 0.2262, 0.2562)$

Have a look what the booklet for
Yxy(30.7695, 0.2262, 0.2562)
contains.

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Color

Yxy(30.9362, 0.2263, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	589ECD
RGB	88, 158, 205
RGB Percent	35%, 62%, 80%
CMY	0.6549, 0.3804, 0.1960
CMYK	0.57, 0.23, 0.00, 0.20
HSL	204°, 54%, 57%
HSV	204°, 57%, 80%
XYZ	27.2725, 30.9362, 62.3063
YIQ	142.4280, -56.8070, -0.2230

Conversions

Conversions Part 2

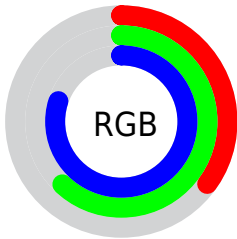
Format	Color
R_{YB}	88, 132, 205
Decimal	5807821
CIE _{Lab}	62.45, -8.38, -30.78
CIE _{LCh}	62, 31.897, 254.775
Yxy	30.9362, 0.2263, 0.2567
Android (android.graphics.Color)	4283997901 (0xFF589ECD)
YUV	142.4280, 30.8480, -47.7334
Hunter-Lab	55.6203, -9.8109, -27.4828

Details

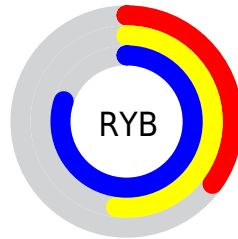
The Yxy color **30.9362, 0.2263, 0.2567** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **31.0214, 0.4453, 0.3879**, and the grayscale version is **27.1215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9195, 0.2461, 0.2792**, and **12.8513, 0.2005, 0.2334** is the 20% darker color. If you saturate the color by 10%, you get **27.3565, 0.2138, 0.2413**, and if you desaturate by 10%, it is **34.9878, 0.2402, 0.2716**.

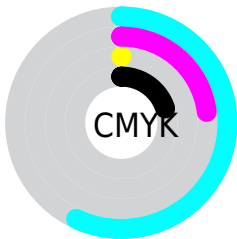
Distribution



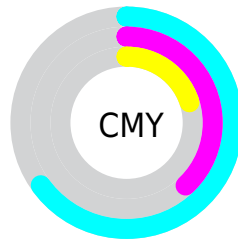
- Red (35%)
- Green (62%)
- Blue (80%)



- Red (35%)
- Yellow (52%)
- Blue (80%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9362, 0.2263, 0.2567 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 30.9362, 0.2263, 0.2567 by changing the saturation by 10% instead.

■ 30.9362, 0.2263,
0.2567

■ 30.9362, 0.2263,
0.2567

■ 306.2443, 0.2707,
0.2949

■ 20.5503, 0.2151,
0.2467

■ 61.1396, 0.2426,
0.2710

■ 12.7957, 0.2006,
0.2336

■ 81.7259, 0.2487,
0.2762

■ 7.2880, 0.1815,
0.2159

■ 106.4811, 0.2538,
0.2806

■ 3.6429, 0.1555,
0.1911

■ 135.7895, 0.2582,
0.2844

■ 1.4759, 0.1190,
0.1548

■ 170.0357, 0.2620,
0.2876

■ 0.2716, 0.0147,
0.0742

■ 209.6039, 0.2653,

■ 0.0000, 0.0000,

0.2903

0.0000

254.8787, 0.2681,
0.2928

■ 30.9362, 0.2263,
0.2567

■ 30.9362, 0.2263,
0.2567

■ 27.3565, 0.2138,
0.2413

■ 34.9878, 0.2402,
0.2716

■ 24.2175, 0.2031,
0.2257

■ 39.5331, 0.2551,
0.2857

■ 21.4882, 0.1945,
0.2102

■ 44.5959, 0.2706,
0.2988

■ 19.1265, 0.1880,
0.1951

■ 50.1974, 0.2863,
0.3109

■ 18.4857, 0.1863,
0.1907

■ 56.3574, 0.3019,
0.3219

■ 63.0944, 0.3171,
0.3318

■ 70.4262, 0.3318,
0.3406

■ 78.3694, 0.3458,
0.3484

■ 83.4645, 0.3465,
0.3563

Harmonies

Analogous

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



30.9362, 0.2207, 0.2858



30.9362, 0.2263, 0.2567



30.9362, 0.2528, 0.2477

Triad

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



30.9362, 0.2263, 0.2567



30.9362, 0.3934, 0.3186



30.9362, 0.3220, 0.4164

Complementary

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



30.9362, 0.2263, 0.2567



31.0214, 0.4453, 0.3879

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.



30.9362, 0.3705, 0.4194



30.9362, 0.2263, 0.2567



30.9362, 0.4144, 0.3590

Square

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



30.9362, 0.2263, 0.2567



30.9362, 0.3489, 0.2826



30.9362, 0.4051, 0.3961



30.9362, 0.2732, 0.3828

Rectangle

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



30.9362, 0.2263, 0.2567



30.9362, 0.2806, 0.2523



30.9362, 0.4051, 0.3961



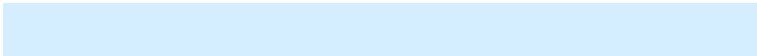
30.9362, 0.3389, 0.4209

Sweetspot

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



30.9373, 0.2263, 0.2567



82.0703, 0.2861, 0.3108



47.4928, 0.2795, 0.4392



17.1519, 0.2829, 0.3084



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.



30.9373, 0.2263, 0.2567



43.8292, 0.2118, 0.2385



15.5407, 0.2064, 0.1638



11.9412, 0.2983, 0.3195



11.6956, 0.1869, 0.1928



0.7496, 0.1951, 0.2223

Inverse Universe

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



22.4304, 0.3783, 0.2435



30.7509, 0.3987, 0.2312



51.9695, 0.4011, 0.4523



11.3244, 0.3198, 0.3152



8.9837, 0.4535, 0.2272



0.4782, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 30.9362, 0.2263, 0.2567 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 30.9362, 0.2263, 0.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

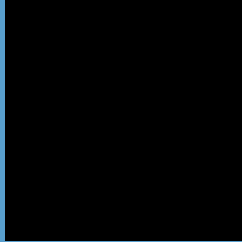
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

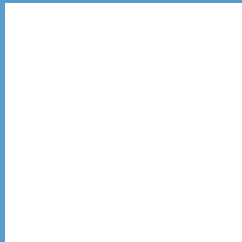
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9362, 0.2263, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 30.9362, 0.2263, 0.2567.

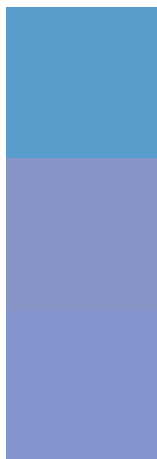


This preview shows how white text looks on a background with the Yxy color 30.9362, 0.2263, 0.2567.

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

30.9362, 0.2263, 0.2567

Protanopia

30.5754, 0.2605, 0.2562

Deuteranopia

30.5903, 0.2505, 0.2443



Tritanopia

30.8655, 0.2378, 0.3070

Trichromacy



Original Color

30.9362, 0.2263, 0.2567

Protanomaly

30.5955, 0.2457, 0.2558

Deuteranomaly

30.6257, 0.2405, 0.2491

Tritanomaly

30.7831, 0.2329, 0.2865

Monochromacy



Original Color

30.9362, 0.2263, 0.2567

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.0340, 0.2729, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9362, 0.2263, 0.2567 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(88, 158, 205)` looks like.

```
.text, #text, p{  
    color:rgb(88, 158, 205)  
}
```

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(88, 158, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 158, 205) }
```

Border

The CSS property to change the border of an element to Yxy 30.9362, 0.2263, 0.2567 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(88, 158, 205) }
```

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

```
.border{ border-color:rgb(88, 158, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 158, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 158, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 158, 205);  
box-shadow:4px 4px 4px 4px rgb(88, 158,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9362, 0.2263, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 158, 205) }
```

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

```
.background{ background-color: rgb(88, 158,  
205) }
```

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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