

Converting Colors

$Y_{xy}(30.5360, 0.2165, 0.2378)$

Have a look what the booklet for
Yxy(30.5360, 0.2165, 0.2378)
contains.

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Color

Yxy(30.5360, 0.2165, 0.2378)

Conversions

Conversions Part 1

Format	Color
Hex	519CD9
RGB	81, 156, 217
RGB Percent	32%, 61%, 85%
CMY	0.6826, 0.3882, 0.1490
CMYK	0.63, 0.28, 0.00, 0.15
HSL	207°, 64%, 58%
HSV	207°, 63%, 85%
XYZ	27.8009, 30.5360, 70.0736
YIQ	140.5290, -64.2810, 3.0710

Conversions

Conversions Part 2

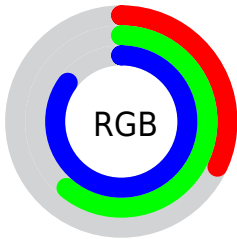
Format	Color
R_{YB}	81, 129, 217
Decimal	5348569
CIE _{Lab}	62.11, -4.80, -38.00
CIE _{LCh}	62, 38.297, 262.806
Yxy	30.5360, 0.2165, 0.2378
Android (android.graphics.Color)	4283538649 (0xFF519CD9)
YUV	140.5290, 37.7002, -52.2069
Hunter-Lab	55.2594, -6.9010, -36.5032

Details

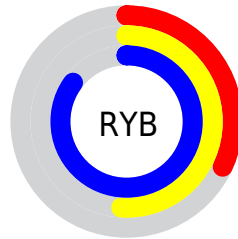
The Yxy color **30.5360, 0.2165, 0.2378** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **34.6646, 0.4581, 0.3994**, and the grayscale version is **26.3049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9759, 0.2430, 0.2752**, and **12.7118, 0.1919, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **26.5929, 0.2043, 0.2203**, and if you desaturate by 10%, it is **35.0487, 0.2304, 0.2550**.

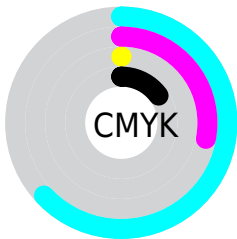
Distribution



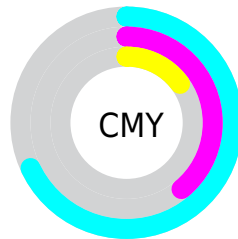
- Red (32%)
- Green (61%)
- Blue (85%)



- Red (32%)
- Yellow (51%)
- Blue (85%)



- Cyan (63%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (68%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5360, 0.2165, 0.2378 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 30.5360, 0.2165, 0.2378 by changing the saturation by 10% instead.

■ 30.5360, 0.2165,
0.2378

■ 30.5360, 0.2165,
0.2378

■ 304.3949, 0.2657,
0.2851

■ 20.2458, 0.2043,
0.2258

■ 60.5088, 0.2344,
0.2552

■ 12.5738, 0.1887,
0.2104

■ 80.9602, 0.2411,
0.2617

■ 7.1357, 0.1684,
0.1901

■ 105.5674, 0.2468,
0.2672

■ 3.5471, 0.1414,
0.1626

■ 134.7149, 0.2517,
0.2718

■ 1.4236, 0.1050,
0.1246

■ 168.7869, 0.2559,
0.2758

■ 0.2340, 0.0217,
0.0482

■ 208.1681, 0.2596,

■ 0.0000, 0.0000,

0.2793

0.0000

253.2426, 0.2628,
0.2824

■ 30.5360, 0.2165,
0.2378

■ 30.5360, 0.2165,
0.2378

■ 26.5929, 0.2043,
0.2203

■ 35.0487, 0.2304,
0.2550

■ 23.1798, 0.1941,
0.2028

■ 40.1601, 0.2454,
0.2714

■ 20.2548, 0.1862,
0.1858

■ 45.9005, 0.2611,
0.2869

■ 18.3809, 0.1816,
0.1738

■ 52.2969, 0.2771,
0.3012

■ 59.3743, 0.2930,
0.3143

■ 67.1562, 0.3086,
0.3260

■ 75.6651, 0.3236,
0.3365

■ 84.9220, 0.3379,
0.3458

■ 90.6970, 0.3368,
0.3553

Harmonies

Analogous

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



30.5360, 0.2032, 0.2648



30.5360, 0.2165, 0.2378



30.5360, 0.2533, 0.2341

Triad

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



30.5360, 0.2165, 0.2378



30.5360, 0.4204, 0.3280



30.5360, 0.3064, 0.4286

Complementary

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



30.5360, 0.2165, 0.2378



34.6646, 0.4581, 0.3994

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.



30.5360, 0.3661, 0.4410



30.5360, 0.2165, 0.2378



30.5360, 0.4355, 0.3753

Square

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



30.5360, 0.2165, 0.2378



30.5360, 0.3722, 0.2842



30.5360, 0.4141, 0.4176



30.5360, 0.2514, 0.3788

Rectangle

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



30.5360, 0.2165, 0.2378



30.5360, 0.2891, 0.2433



30.5360, 0.4141, 0.4176



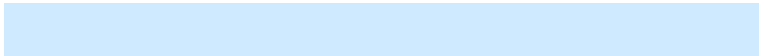
30.5360, 0.3266, 0.4374

Sweetspot

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



30.5371, 0.2165, 0.2378



78.8602, 0.2828, 0.3060



53.2618, 0.2755, 0.4457



16.2671, 0.2782, 0.3021



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.



30.5371, 0.2165, 0.2378



36.7834, 0.2010, 0.2150



14.0677, 0.1938, 0.1393



13.8025, 0.2982, 0.3183



11.3409, 0.1823, 0.1761



0.9058, 0.1898, 0.2033

Inverse Universe

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



23.0262, 0.3974, 0.2437



27.7739, 0.4244, 0.2346



60.4213, 0.4058, 0.4658



13.1712, 0.3206, 0.3162



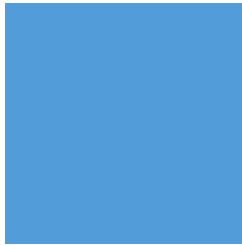
9.7686, 0.4732, 0.2380



0.6501, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 30.5360, 0.2165, 0.2378 looks on a white background.

Color Contrast Check

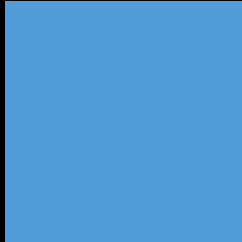
Large Text (above 18pt) WCAG AA × Fail

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 30.5360, 0.2165, 0.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

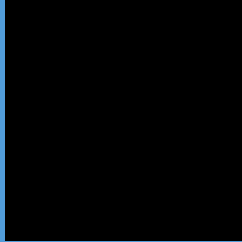
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

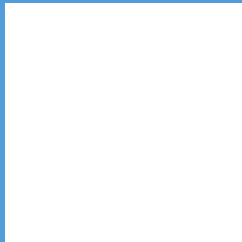
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5360, 0.2165, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 30.5360, 0.2165, 0.2378.

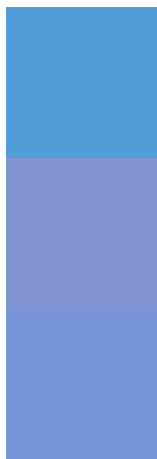


This preview shows how white text looks on a background with the Yxy color 30.5360, 0.2165, 0.2378.

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

30.5360, 0.2165, 0.2378

Protanopia

30.2664, 0.2468, 0.2389

Deuteranopia

30.2874, 0.2346, 0.2284



Tritanopia

30.7173, 0.2310, 0.3067

Trichromacy



Original Color

30.5360, 0.2165, 0.2378

Protanomaly

30.0615, 0.2333, 0.2370

Deuteranomaly

30.2593, 0.2273, 0.2318

Tritanomaly

30.5245, 0.2248, 0.2784

Monochromacy



Original Color

30.5360, 0.2165, 0.2378

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.3443, 0.2668, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5360, 0.2165, 0.2378 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(81, 156, 217)` looks like.

```
.text, #text, p{  
    color:rgb(81, 156, 217)  
}
```

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(81, 156, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 156, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.5360, 0.2165, 0.2378 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(81, 156, 217) }
```

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

```
.border{ border-color:rgb(81, 156, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 156, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 156, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 156, 217);  
box-shadow:4px 4px 4px 4px rgb(81, 156,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5360, 0.2165, 0.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 156, 217) }
```

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

```
.background{ background-color: rgb(81, 156,  
217) }
```

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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