

Converting Colors

$Y_{xy}(27.6121, 0.2048, 0.2166)$

Have a look what the booklet for
Yxy(27.6121, 0.2048, 0.2166)
contains.

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Color

Yxy(27.6658, 0.2050, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	4294DF
RGB	66, 148, 223
RGB Percent	26%, 58%, 87%
CMY	0.7409, 0.4196, 0.1254
CMYK	0.70, 0.34, 0.00, 0.13
HSL	209°, 71%, 57%
HSV	209°, 70%, 87%
XYZ	26.1600, 27.6658, 73.7840
YIQ	132.0320, -72.9470, 5.9410

Conversions

Conversions Part 2

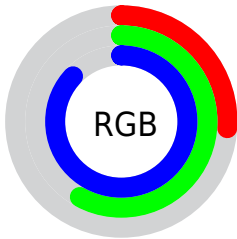
Format	Color
R _{YB}	66, 120, 223
Decimal	4363487
CIE Lab	59.59, -0.56, -45.35
CIE LCh	60, 45.353, 269.292
Yxy	27.6658, 0.2050, 0.2168
Android (android.graphics.Color)	4282553567 (0xFF4294DF)
YUV	132.0320, 44.8472, -57.9101
Hunter-Lab	52.5983, -3.2692, -46.3522

Details

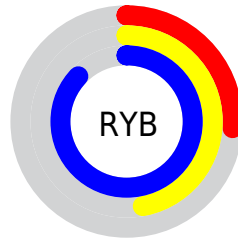
The Yxy color **27.6658, 0.2050, 0.2168** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **35.1580, 0.4768, 0.4093**, and the grayscale version is **22.9474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2864, 0.2363, 0.2644**, and **11.5254, 0.1858, 0.1888** is the 20% darker color. If you saturate the color by 10%, you get **23.8452, 0.1939, 0.1981**, and if you desaturate by 10%, it is **32.0981, 0.2181, 0.2355**.

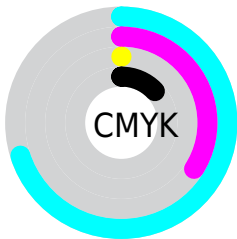
Distribution



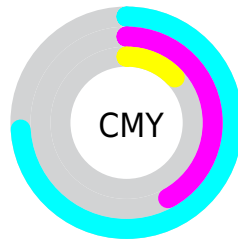
- Red (26%)
- Green (58%)
- Blue (87%)



- Red (26%)
- Yellow (47%)
- Blue (87%)



- Cyan (70%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (74%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6658, 0.2050, 0.2168 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 27.6658, 0.2050, 0.2168 by changing the saturation by 10% instead.

■ 27.6658, 0.2050,
0.2168

■ 27.6658, 0.2050,
0.2168

■ 290.8665, 0.2603,
0.2745

■ 18.0739, 0.1913,
0.2025

■ 55.9504, 0.2251,
0.2379

■ 11.0030, 0.1740,
0.1843

■ 75.4119, 0.2327,
0.2458

■ 6.0689, 0.1517,
0.1610

■ 98.9321, 0.2391,
0.2524

■ 2.8870, 0.1226,
0.1304

■ 126.8953, 0.2446,
0.2581

■ 1.0730, 0.0850,
0.0908

■ 159.6860, 0.2493,
0.2631

■ 0.0000, 0.0000,
0.0000

197.6885, 0.2535,

0.2674

241.2872, 0.2571,
0.2712

■ 27.6658, 0.2050,
0.2168

■ 27.6658, 0.2050,
0.2168

■ 23.8452, 0.1939,
0.1981

■ 32.0981, 0.2181,
0.2355

■ 20.5878, 0.1851,
0.1799

■ 37.1787, 0.2327,
0.2538

■ 17.9163, 0.1787,
0.1632

■ 42.9436, 0.2483,
0.2713

■ 49.4248, 0.2644,
0.2876

■ 56.6519, 0.2807,
0.3027

■ 64.6526, 0.2967,
0.3163

■ 73.4528, 0.3121,
0.3286

■ 83.0774, 0.3269,
0.3395

■ 91.2482, 0.3329,
0.3496

Harmonies

Analogous

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



27.6658, 0.1836, 0.2410



27.6658, 0.2050, 0.2168



27.6658, 0.2534, 0.2188

Triad

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



27.6658, 0.2050, 0.2168



27.6658, 0.4525, 0.3376



27.6658, 0.2877, 0.4437

Complementary

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



27.6658, 0.2050, 0.2168



35.1580, 0.4768, 0.4093

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.



27.6658, 0.3599, 0.4679



27.6658, 0.2050, 0.2168



27.6658, 0.4593, 0.3933

Square

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



27.6658, 0.2050, 0.2168



27.6658, 0.4006, 0.2851



27.6658, 0.4233, 0.4430



27.6658, 0.2261, 0.3730

Rectangle

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



27.6658, 0.2050, 0.2168



27.6658, 0.2990, 0.2328



27.6658, 0.4233, 0.4430



27.6658, 0.3116, 0.4580

Sweetspot

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



27.6667, 0.2050, 0.2168



75.9626, 0.2794, 0.3015



55.8172, 0.2716, 0.4549



15.6587, 0.2749, 0.2975



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.



27.6667, 0.2050, 0.2168



30.3447, 0.1899, 0.1903



11.0323, 0.1786, 0.1104



14.4213, 0.2981, 0.3175



10.7609, 0.1794, 0.1658



0.9249, 0.1869, 0.1928

Inverse Universe

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



21.7317, 0.4207, 0.2423



25.1194, 0.4540, 0.2389



66.1154, 0.4104, 0.4808



13.8195, 0.3211, 0.3168



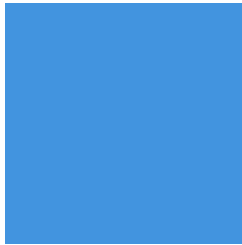
9.9944, 0.4859, 0.2450



0.7108, 0.4535, 0.2272

Previews

White Background



This preview shows how the Yxy color 27.6658, 0.2050, 0.2168 looks on a white background.

Color Contrast Check

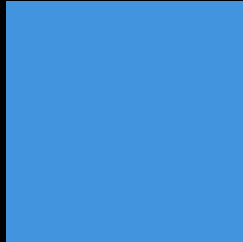
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6658, 0.2050, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

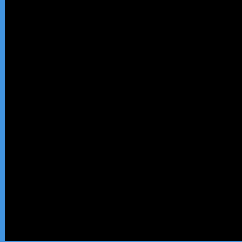
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

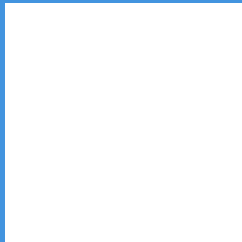
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6658, 0.2050, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 27.6658, 0.2050, 0.2168.



This preview shows how white text looks on a background with the Yxy color 27.6658, 0.2050, 0.2168.

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

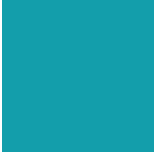
27.6658, 0.2050, 0.2168

Protanopia

27.4270, 0.2316, 0.2192

Deuteranopia

27.6234, 0.2173, 0.2120



Tritanopia

27.5324, 0.2201, 0.3053

Trichromacy



Original Color

27.6658, 0.2050, 0.2168

Protanomaly

27.3561, 0.2197, 0.2174

Deuteranomaly

27.6110, 0.2118, 0.2133

Tritanomaly

27.2040, 0.2124, 0.2677

Monochromacy



Original Color

27.6658, 0.2050, 0.2168

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.0817, 0.2589, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6658, 0.2050, 0.2168 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(66, 148, 223)` looks like.

```
.text, #text, p{  
    color:rgb(66, 148, 223)  
}
```

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(66, 148, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 148, 223) }
```

Border

The CSS property to change the border of an element to Yxy 27.6658, 0.2050, 0.2168 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(66, 148, 223) }
```

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

```
.border{ border-color:rgb(66, 148, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 148, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 148, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 148, 223);  
box-shadow:4px 4px 4px 4px rgb(66, 148,  
223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.6658, 0.2050, 0.2168$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 148, 223) }
```

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

```
.background{ background-color: rgb(66, 148,  
223) }
```

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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