

Converting Colors

$Y_{xy}(27.2756, 0.2050, 0.2167)$

Have a look what the booklet for
Yxy(27.2756, 0.2050, 0.2167)
contains.

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Color

Yxy(27.2996, 0.2050, 0.2164)

Conversions

Conversions Part 1

Format	Color
Hex	4293DE
RGB	66, 147, 222
RGB Percent	26%, 58%, 87%
CMY	0.7412, 0.4235, 0.1295
CMYK	0.70, 0.34, 0.00, 0.13
HSL	209°, 70%, 56%
HSV	209°, 70%, 87%
XYZ	25.8615, 27.2996, 72.9924
YIQ	131.3310, -72.3510, 6.1530

Conversions

Conversions Part 2

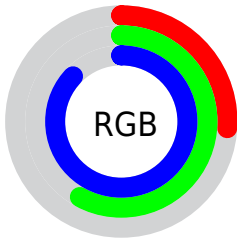
Format	Color
R_{YB}	66, 119, 222
Decimal	4363230
CIE _{Lab}	59.25, -0.36, -45.30
CIE _{LCh}	59, 45.298, 269.546
Yxy	27.2996, 0.2050, 0.2164
Android (android.graphics.Color)	4282553310 (0xFF4293DE)
YUV	131.3310, 44.6998, -57.2953
Hunter-Lab	52.2490, -3.0845, -46.2544

Details

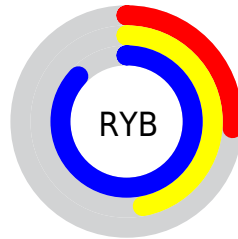
The Yxy color **27.2996, 0.2050, 0.2164** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **34.9564, 0.4760, 0.4096**, and the grayscale version is **22.6782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8186, 0.2361, 0.2631**, and **11.3026, 0.1856, 0.1880** is the 20% darker color. If you saturate the color by 10%, you get **23.5077, 0.1938, 0.1976**, and if you desaturate by 10%, it is **31.7000, 0.2181, 0.2352**.

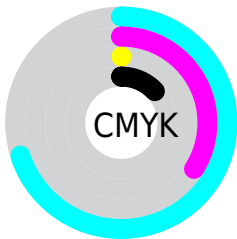
Distribution



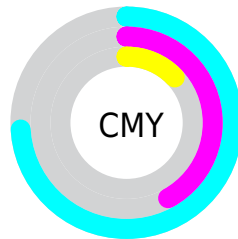
- Red (26%)
- Green (58%)
- Blue (87%)



- 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 27.2996, 0.2050, 0.2164 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 27.2996, 0.2050, 0.2164 by changing the saturation by 10% instead.

■ 27.2996, 0.2050,
0.2164

■ 27.2996, 0.2050,
0.2164

■ 289.1048, 0.2604,
0.2744

■ 17.7984, 0.1912,
0.2020

■ 55.3643, 0.2252,
0.2376

■ 10.8053, 0.1738,
0.1837

■ 74.6965, 0.2328,
0.2455

■ 5.9361, 0.1514,
0.1601

■ 98.0744, 0.2392,
0.2522

■ 2.8062, 0.1221,
0.1293

■ 125.8826, 0.2447,
0.2580

■ 1.0314, 0.0841,
0.0894

■ 158.5053, 0.2494,
0.2629

■ 0.0000, 0.0000,
0.0000

196.3270, 0.2536,

0.2673

239.7320, 0.2572,
0.2710

■ 27.2996, 0.2050,
0.2164

■ 27.2996, 0.2050,
0.2164

■ 23.5077, 0.1938,
0.1976

■ 31.7000, 0.2181,
0.2352

■ 20.2764, 0.1850,
0.1793

■ 36.7452, 0.2328,
0.2536

■ 17.5998, 0.1784,
0.1623

■ 42.4708, 0.2485,
0.2712

■ 48.9086, 0.2646,
0.2876

■ 56.0880, 0.2809,
0.3027

■ 64.0363, 0.2968,
0.3164

■ 72.7794, 0.3123,
0.3287

■ 82.3420, 0.3271,
0.3396

■ 90.6466, 0.3337,
0.3498

Harmonies

Analogous

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



27.2996, 0.1833, 0.2404



27.2996, 0.2050, 0.2164



27.2996, 0.2538, 0.2186

Triad

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



27.2996, 0.2050, 0.2164



27.2996, 0.4532, 0.3380



27.2996, 0.2870, 0.4437

Complementary

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



27.2996, 0.2050, 0.2164



34.9564, 0.4760, 0.4096

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.



27.2996, 0.3594, 0.4684



27.2996, 0.2050, 0.2164



27.2996, 0.4596, 0.3939

Square

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



27.2996, 0.2050, 0.2164



27.2996, 0.4014, 0.2853



27.2996, 0.4231, 0.4437



27.2996, 0.2254, 0.3724

Rectangle

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



27.2996, 0.2050, 0.2164



27.2996, 0.2995, 0.2328



27.2996, 0.4231, 0.4437



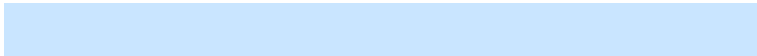
27.2996, 0.3109, 0.4582

Sweetspot

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



27.3005, 0.2050, 0.2164



75.8844, 0.2794, 0.3014



55.2430, 0.2716, 0.4546



15.6401, 0.2749, 0.2973



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.



27.3005, 0.2050, 0.2164



30.1609, 0.1897, 0.1895



10.9621, 0.1789, 0.1108



14.4152, 0.2981, 0.3174



10.6810, 0.1791, 0.1649



0.9194, 0.1867, 0.1920

Inverse Universe

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



21.5280, 0.4211, 0.2428



25.1008, 0.4549, 0.2394



65.4263, 0.4103, 0.4807



13.8188, 0.3211, 0.3169



9.9863, 0.4870, 0.2456



0.7103, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 27.2996, 0.2050, 0.2164 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 27.2996, 0.2050, 0.2164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

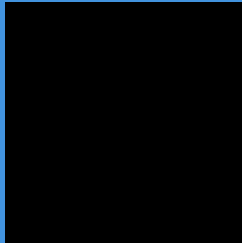
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

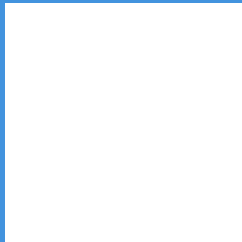
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2996, 0.2050, 0.2164

Background



This preview shows how black text looks on a background with the Yxy color 27.2996, 0.2050, 0.2164.



This preview shows how white text looks on a background with the Yxy color 27.2996, 0.2050, 0.2164.

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

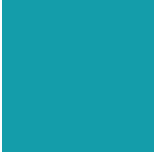
27.2996, 0.2050, 0.2164

Protanopia

27.0164, 0.2312, 0.2186

Deuteranopia

27.2151, 0.2169, 0.2114



Tritanopia

27.1649, 0.2202, 0.3052

Trichromacy



Original Color

27.2996, 0.2050, 0.2164

Protanomaly

26.9493, 0.2193, 0.2168

Deuteranomaly

27.2527, 0.2119, 0.2129

Tritanomaly

26.8499, 0.2126, 0.2675

Monochromacy



Original Color

27.2996, 0.2050, 0.2164

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.6975, 0.2586, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2996, 0.2050, 0.2164 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, 147, 222)` looks like.

```
.text, #text, p{  
    color:rgb(66, 147, 222)  
}
```

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, 147, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 147, 222) }
```

Border

The CSS property to change the border of an element to Yxy 27.2996, 0.2050, 0.2164 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, 147, 222) }
```

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

```
.border{ border-color:rgb(66, 147, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 147, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 147, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 147, 222);  
box-shadow:4px 4px 4px 4px rgb(66, 147,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2996, 0.2050, 0.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 147, 222) }
```

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

```
.background{ background-color: rgb(66, 147,  
222) }
```

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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