

Converting Colors

$Y_{xy}(20.9238, 0.2827, 0.2652)$

Have a look what the booklet for
Yxy(20.9238, 0.2827, 0.2652)
contains.

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Color

Yxy(20.9238, 0.2827, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	82799F
RGB	130, 121, 159
RGB Percent	51%, 47%, 62%
CMY	0.4901, 0.5255, 0.3764
CMYK	0.18, 0.24, 0.00, 0.38
HSL	254°, 17%, 55%
HSV	254°, 24%, 62%
XYZ	22.3045, 20.9238, 35.6699
YIQ	128.0230, -6.8340, 13.7260

Conversions

Conversions Part 2

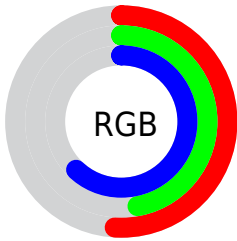
Format	Color
R_{YB}	130, 121, 159
Decimal	8550815
CIE _{Lab}	52.87, 11.57, -19.14
CIE _{LCh}	53, 22.363, 301.153
Yxy	20.9238, 0.2827, 0.2652
Android (android.graphics.Color)	4286740895 (0xFF82799F)
YUV	128.0230, 15.2717, 1.7338
Hunter-Lab	45.7425, 6.9889, -14.2144

Details

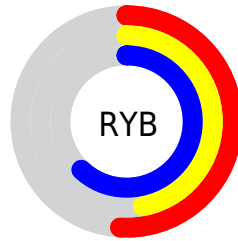
The Yxy color $20.9238, 0.2827, 0.2652$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $32.6640, 0.3385, 0.3889$, and the grayscale version is $21.5441, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8095, 0.2891, 0.2779$, and $7.4017, 0.2707, 0.2420$ is the 20% darker color. If you saturate the color by 10%, you get $16.4701, 0.2673, 0.2345$, and if you desaturate by 10%, it is $26.1293, 0.2964, 0.2937$.

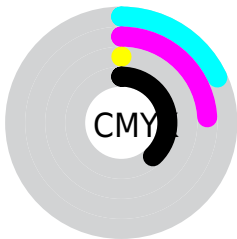
Distribution



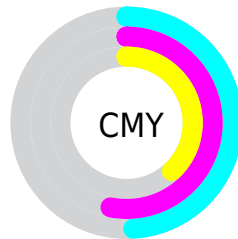
- Red (51%)
- Green (47%)
- Blue (62%)



- Red (51%)
- Yellow (47%)
- Blue (62%)



- Cyan (18%)
- Magenta (24%)
- Yellow (0%)
- Black (38%)



- Cyan (49%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9238, 0.2827, 0.2652 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 20.9238, 0.2827, 0.2652 by changing the saturation by 10% instead.

■ 20.9238, 0.2827,
0.2652

■ 20.9238, 0.2827,
0.2652

256.8733, 0.2999,
0.3000

■ 13.0683, 0.2775,
0.2554

■ 44.9607, 0.2895,
0.2786

■ 7.4756, 0.2703,
0.2423

■ 61.9109, 0.2919,
0.2834

■ 3.7613, 0.2595,
0.2235

■ 82.6614, 0.2939,
0.2874

■ 1.5409, 0.2419,
0.1949

107.5967, 0.2955,
0.2907

■ 0.3173, 0.2102,
0.1142

137.1011, 0.2968,
0.2936

■ 0.0000, 0.0000,
0.0000

171.5591, 0.2980,

0.2960

211.3550, 0.2990,
0.2982

■ 20.9238, 0.2827,
0.2652

■ 20.9238, 0.2827,
0.2652

■ 16.4701, 0.2673,
0.2345

■ 26.1293, 0.2964,
0.2937

■ 12.7305, 0.2505,
0.2023

■ 32.1167, 0.3085,
0.3196

■ 9.6680, 0.2328,
0.1700

■ 38.9178, 0.3189,
0.3428

■ 7.2409, 0.2148,
0.1392

■ 46.5616, 0.3278,
0.3633

■ 5.4031, 0.1977,
0.1119

■ 55.0759, 0.3354,
0.3814

■ 4.1020, 0.1826,
0.0900

■ 64.4871, 0.3419,
0.3973

■ 3.2750, 0.1703,
0.0748

■ 74.8205, 0.3474,
0.4112

■ 2.9111, 0.1641,
0.0678

■ 86.1002, 0.3520,
0.4234

■ 92.4011, 0.3585,
0.4266

Harmonies

Analogous

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



20.9238, 0.2525, 0.2644



20.9238, 0.2827, 0.2652



20.9238, 0.3230, 0.2805

Triad

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



20.9238, 0.2827, 0.2652



20.9238, 0.3930, 0.3715



20.9238, 0.2634, 0.3505

Complementary

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



20.9238, 0.2827, 0.2652



32.6640, 0.3385, 0.3889

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.



20.9238, 0.2987, 0.3857



20.9238, 0.2827, 0.2652



20.9238, 0.3742, 0.3955

Square

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



20.9238, 0.2827, 0.2652



20.9238, 0.3890, 0.3393



20.9238, 0.3393, 0.4022



20.9238, 0.2419, 0.3108

Rectangle

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



20.9238, 0.2827, 0.2652



20.9238, 0.3503, 0.2972



20.9238, 0.3393, 0.4022



20.9238, 0.2740, 0.3636

Sweetspot

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



20.9247, 0.2827, 0.2652



53.8946, 0.3048, 0.3116



28.4264, 0.2771, 0.3142



12.0167, 0.3041, 0.3102



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.9247, 0.2827, 0.2652



32.8058, 0.2742, 0.2481



22.5549, 0.3038, 0.2690



6.5075, 0.3023, 0.3061



2.3156, 0.1648, 0.0682



0.0588, 0.2028, 0.0891

Inverse Universe

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



23.2473, 0.3256, 0.2841



37.7799, 0.3293, 0.2732



31.0172, 0.3194, 0.3927



6.7276, 0.3172, 0.3121



6.9236, 0.3902, 0.1923



0.1298, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 20.9238, 0.2827, 0.2652 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 20.9238, 0.2827, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

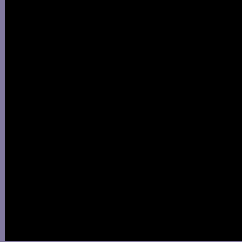
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9238, 0.2827, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 20.9238, 0.2827, 0.2652.



This preview shows how white text looks on a background with the Yxy color 20.9238, 0.2827, 0.2652.

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

20.9238, 0.2827, 0.2652

Protanopia

21.0578, 0.2670, 0.2653

Deuteranopia

21.0215, 0.2755, 0.2705



Tritanopia

20.8521, 0.3030, 0.3110

Trichromacy



Original Color

20.9238, 0.2827, 0.2652

Protanomaly

21.1261, 0.2727, 0.2659

Deuteranomaly

20.9945, 0.2785, 0.2693

Tritanomaly

20.9409, 0.2946, 0.2939

Monochromacy



Original Color

20.9238, 0.2827, 0.2652

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1984, 0.3022, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9238, 0.2827, 0.2652 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(130, 121, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 121, 159)  
}
```

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(130, 121, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 121, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.9238, 0.2827, 0.2652 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(130, 121, 159) }
```

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

```
.border{ border-color:rgb(130, 121, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 121, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 121, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 121, 159);  
box-shadow:4px 4px 4px 4px rgb(130, 121,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9238, 0.2827, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 121, 159) }
```

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

```
.background{ background-color: rgb(130,  
121, 159) }
```

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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