

Converting Colors

$Y_{xy}(20.9065, 0.2424, 0.2515)$

Have a look what the booklet for
Yxy(20.9065, 0.2424, 0.2515)
contains.

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Color

Yxy(21.0136, 0.2427, 0.2525)

Conversions

Conversions Part 1

Format	Color
Hex	6280AC
RGB	98, 128, 172
RGB Percent	38%, 50%, 67%
CMY	0.6158, 0.4980, 0.3256
CMYK	0.43, 0.26, 0.00, 0.33
HSL	216°, 31%, 53%
HSV	216°, 43%, 67%
XYZ	20.1980, 21.0136, 42.0106
YIQ	124.0460, -32.0040, 7.3240

Conversions

Conversions Part 2

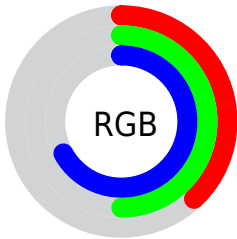
Format	Color
R _Y B	98, 119, 172
Decimal	6455468
CIE Lab	52.96, 1.11, -26.70
CIE LCh	53, 26.720, 272.388
Yxy	21.0136, 0.2427, 0.2525
Android (android.graphics.Color)	4284645548 (0xFF6280AC)
YUV	124.0460, 23.6413, -22.8423
Hunter-Lab	45.8406, -1.5714, -22.2478

Details

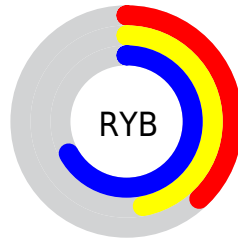
The Yxy color **21.0136, 0.2427, 0.2525** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.9756, 0.3930, 0.3944**, and the grayscale version is **20.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3246, 0.2578, 0.2687**, and **7.5059, 0.2163, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **17.6260, 0.2261, 0.2307**, and if you desaturate by 10%, it is **24.8767, 0.2597, 0.2730**.

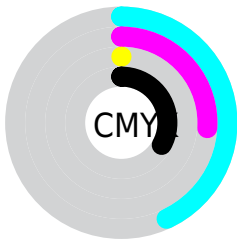
Distribution



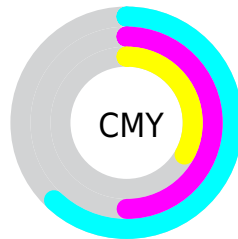
- Red (38%)
- Green (50%)
- Blue (67%)



- Red (38%)
- Yellow (47%)
- Blue (67%)



- Cyan (43%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)



- Cyan (62%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0136, 0.2427, 0.2525 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 21.0136, 0.2427, 0.2525 by changing the saturation by 10% instead.

■ 21.0136, 0.2427,
0.2525

■ 21.0136, 0.2427,
0.2525

■ 257.3508, 0.2814,
0.2946

■ 13.1339, 0.2318,
0.2407

■ 45.1102, 0.2577,
0.2688

■ 7.5208, 0.2171,
0.2248

■ 62.0959, 0.2630,
0.2746

■ 3.7899, 0.1962,
0.2024

■ 82.8857, 0.2674,
0.2794

■ 1.5567, 0.1651,
0.1692

■ 107.8641, 0.2711,
0.2834

■ 0.3282, 0.0964,
0.0933

■ 137.4154, 0.2743,
0.2868

■ 0.0000, 0.0000,
0.0000

171.9240, 0.2770,

0.2898

211.7743, 0.2793,
0.2924

■ 21.0136, 0.2427,
0.2525

■ 21.0136, 0.2427,
0.2525

■ 17.6260, 0.2261,
0.2307

■ 24.8767, 0.2597,
0.2730

■ 14.6903, 0.2103,
0.2080

■ 29.2325, 0.2765,
0.2920

■ 12.1842, 0.1961,
0.1852

■ 34.1003, 0.2927,
0.3092

■ 10.0820, 0.1840,
0.1631

■ 39.4976, 0.3082,
0.3247

■ 8.3540, 0.1746,
0.1423

■ 45.4407, 0.3227,
0.3384

■ 7.3353, 0.1692,
0.1289

■ 51.9456, 0.3363,
0.3505

■ 59.0272, 0.3488,
0.3611

■ 66.7001, 0.3603,
0.3705

■ 74.9781, 0.3708,
0.3786

Harmonies

Analogous

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



21.0136, 0.2252, 0.2693



21.0136, 0.2427, 0.2525



21.0136, 0.2786, 0.2546

Triad

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



21.0136, 0.2427, 0.2525



21.0136, 0.4047, 0.3419



21.0136, 0.2936, 0.3962

Complementary

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



21.0136, 0.2427, 0.2525



28.9756, 0.3930, 0.3944

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.



21.0136, 0.3417, 0.4169



21.0136, 0.2427, 0.2525



21.0136, 0.4079, 0.3797

Square

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



21.0136, 0.2427, 0.2525



21.0136, 0.3741, 0.3041



21.0136, 0.3840, 0.4086



21.0136, 0.2527, 0.3526

Rectangle

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



21.0136, 0.2427, 0.2525



21.0136, 0.3099, 0.2653



21.0136, 0.3840, 0.4086



21.0136, 0.3094, 0.4063

Sweetspot

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



21.0144, 0.2427, 0.2525



61.6960, 0.2924, 0.3089



34.0194, 0.2760, 0.3816



12.9789, 0.2890, 0.3053



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.0144, 0.2427, 0.2525



32.0440, 0.2262, 0.2309



14.6580, 0.2398, 0.2005



8.2711, 0.2986, 0.3152



5.5623, 0.1697, 0.1308



0.2639, 0.1871, 0.1934

Inverse Universe

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



19.0563, 0.3766, 0.2840



28.9451, 0.3993, 0.2744



38.4652, 0.3694, 0.4353



8.0672, 0.3225, 0.3198



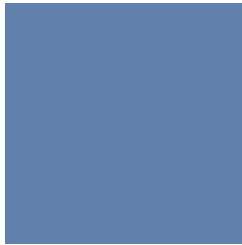
6.8646, 0.5315, 0.2702



0.2020, 0.4528, 0.2268

Previews

White Background



This preview shows how the Yxy color 21.0136, 0.2427, 0.2525 looks on a white background.

Color Contrast Check

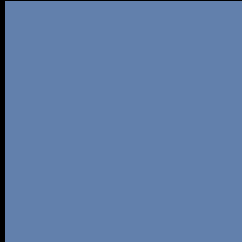
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0136, 0.2427, 0.2525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

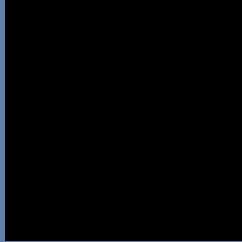
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

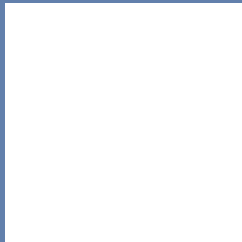
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0136, 0.2427, 0.2525

Background



This preview shows how black text looks on a background with the Yxy color 21.0136, 0.2427, 0.2525.



This preview shows how white text looks on a background with the Yxy color 21.0136, 0.2427, 0.2525.

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

21.0136, 0.2427, 0.2525

Protanopia

20.7906, 0.2570, 0.2523

Deuteranopia

20.8772, 0.2529, 0.2464



Tritanopia

20.9623, 0.2590, 0.3078

Trichromacy



Original Color

21.0136, 0.2427, 0.2525

Protanomaly

20.7577, 0.2519, 0.2517

Deuteranomaly

20.8102, 0.2487, 0.2472

Tritanomaly

20.8928, 0.2530, 0.2863

Monochromacy



Original Color

21.0136, 0.2427, 0.2525

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2352, 0.2845, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0136, 0.2427, 0.2525 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(98, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(98, 128, 172)  
}
```

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(98, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 128, 172) }
```

Border

The CSS property to change the border of an element to Yxy 21.0136, 0.2427, 0.2525 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(98, 128, 172) }
```

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

```
.border{ border-color:rgb(98, 128, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 128, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(98, 128,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0136, 0.2427, 0.2525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 128, 172) }
```

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

```
.background{ background-color: rgb(98, 128,  
172) }
```

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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