

Converting Colors

$Y_{xy}(19.8020, 0.2508, 0.2654)$

Have a look what the booklet for
Yxy(19.8020, 0.2508, 0.2654)
contains.

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Color

Yxy(19.8020, 0.2508, 0.2654)

Conversions

Conversions Part 1

Format	Color
Hex	627DA0
RGB	98, 125, 160
RGB Percent	38%, 49%, 63%
CMY	0.6159, 0.5098, 0.3725
CMYK	0.39, 0.22, 0.00, 0.37
HSL	214°, 25%, 51%
HSV	214°, 39%, 63%
XYZ	18.7127, 19.8020, 36.0972
YIQ	120.9170, -27.3270, 5.1610

Conversions

Conversions Part 2

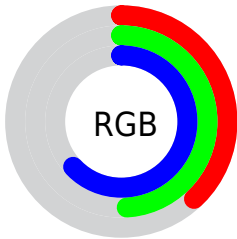
Format	Color
R _Y B	98, 117, 160
Decimal	6454688
CIE Lab	51.61, -0.56, -21.85
CIE LCh	52, 21.855, 268.528
Yxy	19.8020, 0.2508, 0.2654
Android (android.graphics.Color)	4284644768 (0xFF627DA0)
YUV	120.9170, 19.2679, -20.0982
Hunter-Lab	44.4994, -2.8121, -16.9455

Details

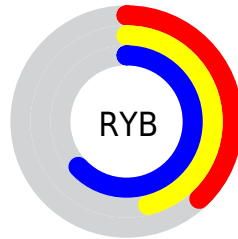
The Yxy color **19.8020, 0.2508, 0.2654** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.1179, 0.3843, 0.3848**, and the grayscale version is **19.0335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9299, 0.2644, 0.2786**, and **6.8559, 0.2269, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **16.8180, 0.2344, 0.2454**, and if you desaturate by 10%, it is **23.1731, 0.2674, 0.2841**.

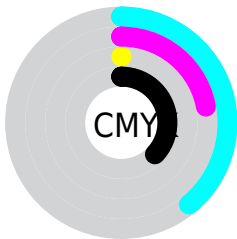
Distribution



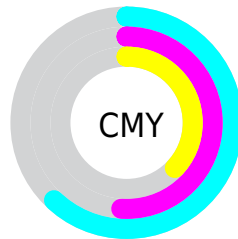
- Red (38%)
- Green (49%)
- Blue (63%)



- Red (38%)
- Yellow (46%)
- Blue (63%)



- Cyan (39%)
- Magenta (22%)
- Yellow (0%)
- Black (37%)



- Cyan (62%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8020, 0.2508, 0.2654 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 19.8020, 0.2508, 0.2654 by changing the saturation by 10% instead.

■ 19.8020, 0.2508,
0.2654

■ 19.8020, 0.2508,
0.2654

■ 250.8412, 0.2855,
0.3011

■ 12.2512, 0.2408,
0.2550

■ 43.0850, 0.2644,
0.2794

■ 6.9150, 0.2270,
0.2408

■ 59.5859, 0.2692,
0.2843

■ 3.4090, 0.2071,
0.2202

■ 79.8391, 0.2731,
0.2884

■ 1.3488, 0.1762,
0.1880

■ 104.2288, 0.2764,
0.2918

■ 0.1785, 0.0687,
0.0786

■ 133.1395, 0.2792,
0.2946

■ 0.0000, 0.0000,
0.0000

166.9555, 0.2816,

0.2971

206.0613, 0.2837,
0.2992

■ 19.8020, 0.2508,
0.2654

■ 19.8020, 0.2508,
0.2654

■ 16.8180, 0.2344,
0.2454

■ 23.1731, 0.2674,
0.2841

■ 14.2026, 0.2186,
0.2243

■ 26.9440, 0.2837,
0.3012

■ 11.9391, 0.2041,
0.2027

■ 31.1297, 0.2995,
0.3167

■ 10.0080, 0.1914,
0.1813

■ 35.7435, 0.3145,
0.3306

■ 8.3876, 0.1810,
0.1606

■ 40.7984, 0.3286,
0.3429

■ 7.0402, 0.1729,
0.1413

■ 46.3063, 0.3418,
0.3538

■ 6.8892, 0.1720,
0.1390

■ 52.2791, 0.3540,
0.3633

■ 58.7279, 0.3653,
0.3717

■ 65.6636, 0.3756,
0.3790

Harmonies

Analogous

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



19.8020, 0.2380, 0.2823



19.8020, 0.2508, 0.2654



19.8020, 0.2797, 0.2648

Triad

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



19.8020, 0.2508, 0.2654



19.8020, 0.3872, 0.3364



19.8020, 0.3023, 0.3878

Complementary

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



19.8020, 0.2508, 0.2654



25.1179, 0.3843, 0.3848

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.



19.8020, 0.3426, 0.4022



19.8020, 0.2508, 0.2654



19.8020, 0.3932, 0.3687

Square

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



19.8020, 0.2508, 0.2654



19.8020, 0.3594, 0.3044



19.8020, 0.3763, 0.3937



19.8020, 0.2663, 0.3539

Rectangle

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



19.8020, 0.2508, 0.2654



19.8020, 0.3054, 0.2727



19.8020, 0.3763, 0.3937



19.8020, 0.3158, 0.3952

Sweetspot

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



19.8028, 0.2508, 0.2654



53.8067, 0.2941, 0.3116



29.4072, 0.2807, 0.3791



11.5996, 0.2922, 0.3097



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.



19.8028, 0.2508, 0.2654



30.9795, 0.2358, 0.2472



14.0358, 0.2465, 0.2151



6.8873, 0.2988, 0.3161



5.4508, 0.1724, 0.1407



0.1802, 0.1936, 0.2169

Inverse Universe

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



17.6827, 0.3647, 0.2858



27.2224, 0.3829, 0.2758



33.1843, 0.3661, 0.4239



6.6918, 0.3219, 0.3193



6.1725, 0.5181, 0.2628



0.1187, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 19.8020, 0.2508, 0.2654 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 19.8020, 0.2508, 0.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

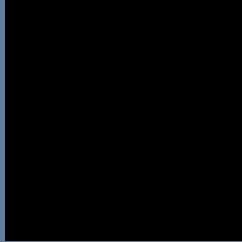
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

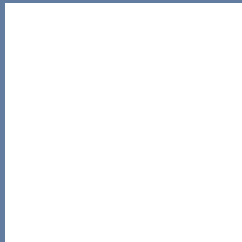
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8020, 0.2508, 0.2654

Background



This preview shows how black text looks on a background with the Yxy color 19.8020, 0.2508, 0.2654.

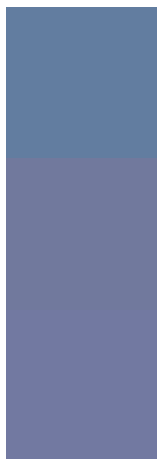


This preview shows how white text looks on a background with the Yxy color 19.8020, 0.2508, 0.2654.

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

19.8020, 0.2508, 0.2654

Protanopia

19.6198, 0.2667, 0.2651

Deuteranopia

19.8254, 0.2641, 0.2591



Tritanopia

19.8917, 0.2648, 0.3094

Trichromacy



Original Color

19.8020, 0.2508, 0.2654

Protanomaly

19.5758, 0.2610, 0.2645

Deuteranomaly

19.6804, 0.2585, 0.2598

Tritanomaly

19.9778, 0.2596, 0.2929

Monochromacy



Original Color

19.8020, 0.2508, 0.2654

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1790, 0.2880, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8020, 0.2508, 0.2654 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, 125, 160)` looks like.

```
.text, #text, p{  
    color:rgb(98, 125, 160)  
}
```

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, 125, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 125, 160) }
```

Border

The CSS property to change the border of an element to Yxy 19.8020, 0.2508, 0.2654 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, 125, 160) }
```

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

```
.border{ border-color:rgb(98, 125, 160) }
```

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

Here you see how a box with a 4 pixel rgb(98, 125, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 125, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 125, 160);  
box-shadow:4px 4px 4px 4px rgb(98, 125,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8020, 0.2508, 0.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 125, 160) }
```

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

```
.background{ background-color: rgb(98, 125,  
160) }
```

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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