

Converting Colors

$Y_{xy}(20.6898, 0.2853, 0.2025)$

Have a look what the booklet for
Yxy(20.6898, 0.2853, 0.2025)
contains.

Yxy(20.7066, 0.2854, 0.2026)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7066, 0.2854, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	A364C0
RGB	163, 100, 192
RGB Percent	64%, 39%, 75%
CMY	0.3610, 0.6077, 0.2471
CMYK	0.15, 0.48, 0.00, 0.25
HSL	281°, 42%, 57%
HSV	281°, 48%, 75%
XYZ	29.1691, 20.7066, 52.3286
YIQ	129.3250, 8.0160, 41.9680

Conversions

Conversions Part 2

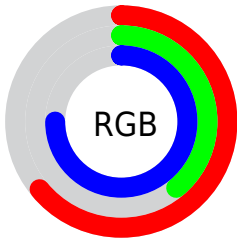
Format	Color
RYB	163, 100, 192
Decimal	10708160
CIELab	52.63, 41.45, -38.34
CIElCh	53, 56.464, 317.237
Yxy	20.7066, 0.2854, 0.2026
Android (android.graphics.Color)	4288898240 (0xFFA364C0)
YUV	129.3250, 30.8988, 29.5330
Hunter-Lab	45.5045, 34.7885, -36.3283

Details

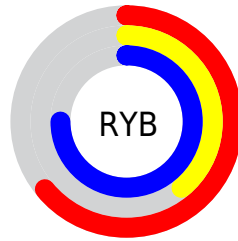
The Yxy color **20.7066, 0.2854, 0.2026** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **43.2929, 0.3272, 0.4689**, and the grayscale version is **21.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8377, 0.2929, 0.2264**, and **7.3674, 0.2721, 0.1666** is the 20% darker color. If you saturate the color by 10%, you get **16.8225, 0.2775, 0.1773**, and if you desaturate by 10%, it is **25.4910, 0.2926, 0.2295**.

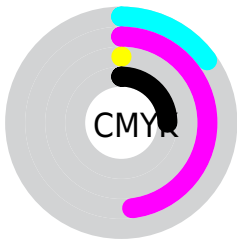
Distribution



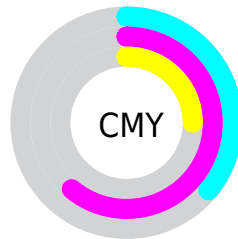
- Red (64%)
- Green (39%)
- Blue (75%)



- Red (64%)
- Yellow (39%)
- Blue (75%)



- Cyan (15%)
- Magenta (48%)
- Yellow (0%)
- Black (25%)





- Cyan (36%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7066, 0.2854, 0.2026 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 20.7066, 0.2854, 0.2026 by changing the saturation by 10% instead.


 20.7066, 0.2854,
0.2026


 20.7066, 0.2854,
0.2026

255.7151, 0.3026,
0.2668


 12.9097, 0.2799,
0.1867


 44.5987, 0.2925,
0.2259

 7.3664, 0.2721,
0.1666


 61.4627, 0.2949,
0.2347

 3.6923, 0.2604,
0.1406


 82.1179, 0.2969,
0.2422

 1.5030, 0.2418,
0.1067

 106.9487, 0.2984,
0.2485

 0.2908, 0.2136,
0.0453

136.3394, 0.2997,
0.2540

 0.0000, 0.1033,
0.0000

170.6744, 0.3008,

 0.0000, 0.0000,

0.2588

0.0000

210.3382, 0.3018,
0.2631

■ 20.7066, 0.2854,
0.2026

■ 20.7066, 0.2854,
0.2026

■ 16.8225, 0.2775,
0.1773

■ 25.4910, 0.2926,
0.2295

■ 13.7739, 0.2691,
0.1548

■ 31.2293, 0.2991,
0.2569

■ 11.4910, 0.2606,
0.1361


■ 37.9741, 0.3047,
0.2838


■ 9.8913, 0.2521,
0.1221

■ 45.7733, 0.3095,
0.3097

■ 8.8507, 0.2440,
0.1126


■ 54.6715, 0.3135,
0.3340

 8.6608, 0.2423,
0.1108

 64.7108, 0.3168,
0.3564

 75.9312, 0.3195,
0.3770

 88.3706, 0.3216,
0.3957

 90.1580, 0.3254,
0.3962

Harmonies

Analogous

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



20.7066, 0.2046, 0.1825



20.7066, 0.2854, 0.2026



20.7066, 0.3910, 0.2465

Triad

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



20.7066, 0.2854, 0.2026



20.7066, 0.4798, 0.4460



20.7066, 0.1656, 0.3186

Complementary

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



20.7066, 0.2854, 0.2026



43.2929, 0.3272, 0.4689

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.



20.7066, 0.2235, 0.4363



20.7066, 0.2854, 0.2026



20.7066, 0.4044, 0.5067

Square

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



20.7066, 0.2854, 0.2026



20.7066, 0.5134, 0.3747



20.7066, 0.3114, 0.5153



20.7066, 0.1455, 0.2321

Rectangle

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



20.7066, 0.2854, 0.2026



20.7066, 0.4565, 0.2855



20.7066, 0.3114, 0.5153



20.7066, 0.1806, 0.3567

Sweetspot

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



20.7075, 0.2854, 0.2026



73.7780, 0.3066, 0.2935



22.2573, 0.2314, 0.2274



15.1900, 0.3055, 0.2878



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.7075, 0.2854, 0.2026



30.4745, 0.2775, 0.1773



23.4268, 0.3377, 0.2323



10.0829, 0.3088, 0.3060



5.8708, 0.2433, 0.1114



0.2891, 0.2611, 0.1212

Inverse Universe

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



21.9130, 0.4003, 0.2898



33.1978, 0.4299, 0.2832



41.6922, 0.2956, 0.4512



10.1291, 0.3240, 0.3218



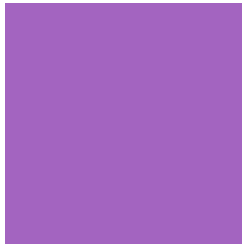
7.7774, 0.5680, 0.2902



0.3488, 0.5033, 0.2546

Previews

White Background



This preview shows how the Yxy color 20.7066, 0.2854, 0.2026 looks on a white background.

Color Contrast Check

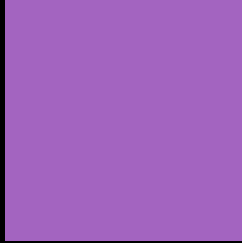
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7066, 0.2854, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

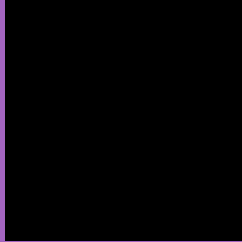
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7066, 0.2854, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 20.7066, 0.2854, 0.2026.



This preview shows how white text looks on a background with the Yxy color 20.7066, 0.2854, 0.2026.

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

20.7066, 0.2854, 0.2026

Protanopia

20.9941, 0.2107, 0.1924

Deuteranopia

20.9077, 0.2324, 0.2266



Tritanopia

20.7438, 0.3497, 0.3142

Trichromacy



Original Color

20.7066, 0.2854, 0.2026

Protanomaly

20.3141, 0.2308, 0.1936

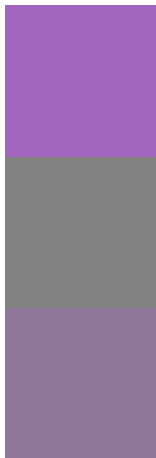
Deuteranomaly

20.3025, 0.2480, 0.2146

Tritanomaly

20.4899, 0.3257, 0.2679

Monochromacy



Original Color

20.7066, 0.2854, 0.2026

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

20.8866, 0.3022, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7066, 0.2854, 0.2026 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(163, 100, 192)` looks like.

```
.text, #text, p{  
    color:rgb(163, 100, 192)  
}
```

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(163, 100, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 100, 192) }
```

Border

The CSS property to change the border of an element to Yxy 20.7066, 0.2854, 0.2026 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(163, 100, 192) }
```

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

```
.border{ border-color:rgb(163, 100, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 100, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 100, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 100, 192); box-shadow:4px 4px 4px 4px rgb(163, 100, 192) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7066, 0.2854, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 100, 192) }
```

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

```
.background{ background-color: rgb(163,  
100, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor