

Converting Colors

$Y_{xy}(20.6477, 0.3027, 0.2140)$

Have a look what the booklet for
Yxy(20.6477, 0.3027, 0.2140)
contains.

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Color

Yxy(20.7361, 0.3026, 0.2144)

Conversions

Conversions Part 1

Format	Color
Hex	A963B6
RGB	169, 99, 182
RGB Percent	66%, 39%, 71%
CMY	0.3373, 0.6117, 0.2863
CMYK	0.07, 0.46, 0.00, 0.29
HSL	291°, 36%, 55%
HSV	291°, 46%, 71%
XYZ	29.2665, 20.7361, 46.7143
YIQ	129.3920, 15.0770, 40.6530

Conversions

Conversions Part 2

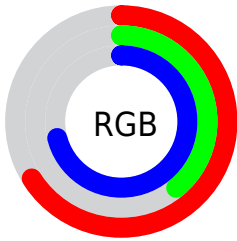
Format	Color
R _Y B	169, 99, 182
Decimal	11101110
CIE Lab	52.66, 41.69, -32.47
CIE LCh	53, 52.839, 322.091
Yxy	20.7361, 0.3026, 0.2144
Android (android.graphics.Color)	4289291190 (0xFFA963B6)
YUV	129.3920, 25.9357, 34.7362
Hunter-Lab	45.5369, 35.0322, -28.9471

Details

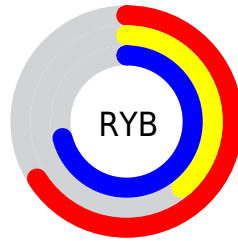
The Yxy color **20.7361, 0.3026, 0.2144** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.8011, 0.3160, 0.4655**, and the grayscale version is **22.0016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7983, 0.3065, 0.2367**, and **7.4264, 0.2950, 0.1806** is the 20% darker color. If you saturate the color by 10%, you get **17.3563, 0.2992, 0.1914**, and if you desaturate by 10%, it is **24.9016, 0.3056, 0.2392**.

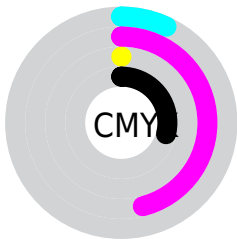
Distribution



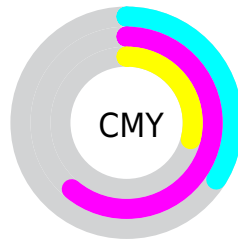
- Red (66%)
- Green (39%)
- Blue (71%)



- Red (66%)
- Yellow (39%)
- Blue (71%)



- Cyan (7%)
- Magenta (46%)
- Yellow (0%)
- Black (29%)





- Cyan (34%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7361, 0.3026, 0.2144 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 20.7361, 0.3026, 0.2144 by changing the saturation by 10% instead.


 20.7361, 0.3026,
0.2144


 20.7361, 0.3026,
0.2144


255.8727, 0.3102,
0.2733


 12.9312, 0.2997,
0.1995


 44.6479, 0.3060,
0.2360

 7.3812, 0.2954,
0.1804


 61.5237, 0.3071,
0.2441

 3.7016, 0.2885,
0.1553


 82.1918, 0.3079,
0.2509

 1.5081, 0.2764,
0.1215

 107.0368, 0.3086,
0.2567

 0.2944, 0.2586,
0.0550

136.4430, 0.3091,
0.2617

 0.0000, 0.1448,
0.0000

170.7947, 0.3095,

 0.0000, 0.0000,

0.2660

0.0000

210.4765, 0.3099,
0.2699

■ 20.7361, 0.3026,
0.2144

■ 20.7361, 0.3026,
0.2144

■ 17.3563, 0.2992,
0.1914

■ 24.9016, 0.3056,
0.2392

■ 14.7067, 0.2955,
0.1714

■ 29.8981, 0.3081,
0.2649

■ 12.7286, 0.2916,
0.1550

■ 35.7706, 0.3102,
0.2906

■ 11.3532, 0.2875,
0.1429

■ 42.5601, 0.3119,
0.3155

■ 10.4942, 0.2834,
0.1352

■ 50.3050, 0.3133,
0.3393

■ 10.1971, 0.2816,
0.1325

■ 59.0414, 0.3143,
0.3615

■ 68.8037, 0.3150,
0.3821

■ 79.6245, 0.3155,
0.4009

■ 86.4537, 0.3165,
0.4107

Harmonies

Analogous

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



20.7361, 0.2208, 0.1912



20.7361, 0.3026, 0.2144



20.7361, 0.4023, 0.2597

Triad

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



20.7361, 0.3026, 0.2144



20.7361, 0.4623, 0.4522



20.7361, 0.1681, 0.3042

Complementary

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



20.7361, 0.3026, 0.2144



37.8011, 0.3160, 0.4655

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.



20.7361, 0.2181, 0.4115



20.7361, 0.3026, 0.2144



20.7361, 0.3875, 0.5022

Square

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



20.7361, 0.3026, 0.2144



20.7361, 0.5005, 0.3854



20.7361, 0.2985, 0.4953



20.7361, 0.1537, 0.2292

Rectangle

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



20.7361, 0.3026, 0.2144



20.7361, 0.4596, 0.2984



20.7361, 0.2985, 0.4953



20.7361, 0.1807, 0.3380

Sweetspot

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



20.7370, 0.3026, 0.2144



66.4320, 0.3105, 0.2940



17.8047, 0.2320, 0.2121



14.1248, 0.3101, 0.2885



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



20.7370, 0.3026, 0.2144



31.2882, 0.2991, 0.1907



21.2141, 0.3522, 0.2523



9.0896, 0.3113, 0.3063



7.2250, 0.2821, 0.1328



0.2741, 0.2927, 0.1386

Inverse Universe

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



20.0398, 0.4135, 0.3106



30.0232, 0.4509, 0.3074



37.6317, 0.2880, 0.4219



9.0345, 0.3264, 0.3254



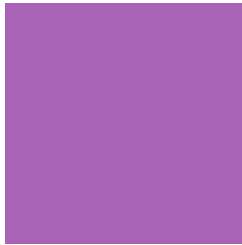
7.0906, 0.6155, 0.3164



0.2572, 0.5537, 0.2824

Previews

White Background



This preview shows how the Yxy color 20.7361, 0.3026, 0.2144 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 20.7361, 0.3026, 0.2144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

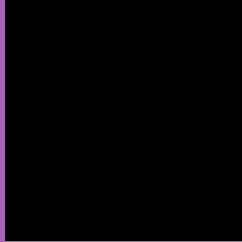
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7361, 0.3026, 0.2144

Background



This preview shows how black text looks on a background with the Yxy color 20.7361, 0.3026, 0.2144.



This preview shows how white text looks on a background with the Yxy color 20.7361, 0.3026, 0.2144.

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

20.7361, 0.3026, 0.2144

Protanopia

20.9106, 0.2196, 0.2033

Deuteranopia

21.0297, 0.2466, 0.2417



Tritanopia

20.7678, 0.3664, 0.3163

Trichromacy



Original Color

20.7361, 0.3026, 0.2144

Protanomaly

20.1123, 0.2432, 0.2047

Deuteranomaly

20.4913, 0.2637, 0.2291

Tritanomaly

20.6008, 0.3425, 0.2753

Monochromacy



Original Color

20.7361, 0.3026, 0.2144

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0243, 0.3102, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7361, 0.3026, 0.2144 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(169, 99, 182)` looks like.

```
.text, #text, p{  
    color:rgb(169, 99, 182)  
}
```

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(169, 99, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 99, 182) }
```

Border

The CSS property to change the border of an element to Yxy 20.7361, 0.3026, 0.2144 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(169, 99, 182) }
```

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

```
.border{ border-color:rgb(169, 99, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 99, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 99, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 99, 182);  
box-shadow:4px 4px 4px 4px rgb(169, 99,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7361, 0.3026, 0.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 99, 182) }
```

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

```
.background{ background-color: rgb(169, 99,  
182) }
```

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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