

Converting Colors

$Y_{xy}(19.8964, 0.2953, 0.3031)$

Have a look what the booklet for
Yxy(19.8964, 0.2953, 0.3031)
contains.

Yxy(20.0370, 0.2951, 0.3035)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.0370, 0.2951, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	797B89
RGB	121, 123, 137
RGB Percent	47%, 48%, 54%
CMY	0.5255, 0.5176, 0.4628
CMYK	0.12, 0.10, 0.00, 0.46
HSL	232°, 6%, 51%
HSV	232°, 12%, 54%
XYZ	19.4824, 20.0370, 26.5003
YIQ	123.9980, -5.6860, 3.9300

Conversions

Conversions Part 2

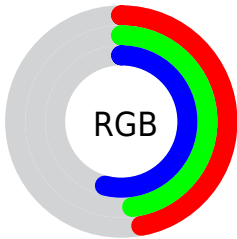
Format	Color
R_{YB}	121, 123, 137
Decimal	7961481
CIE _{Lab}	51.88, 2.23, -7.84
CIE _{LCh}	52, 8.148, 285.850
Yxy	20.0370, 0.2951, 0.3035
Android (android.graphics.Color)	4286151561 (0xFF797B89)
YUV	123.9980, 6.4100, -2.6292
Hunter-Lab	44.7627, -0.6447, -3.7669

Details

The Yxy color $20.0370, 0.2951, 0.3035$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $24.0193, 0.3298, 0.3533$, and the grayscale version is $20.1351, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.2619, 0.2990, 0.3091$, and $6.9634, 0.2874, 0.2925$ is the 20% darker color. If you saturate the color by 10%, you get $16.3243, 0.2783, 0.2787$, and if you desaturate by 10%, it is $24.2557, 0.3103, 0.3256$.

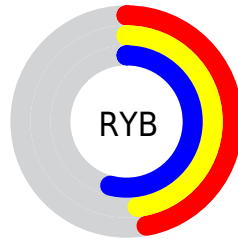
Distribution



Red (47%)

Green (48%)

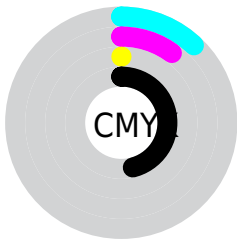
Blue (54%)



Red (47%)

Yellow (48%)

Blue (54%)

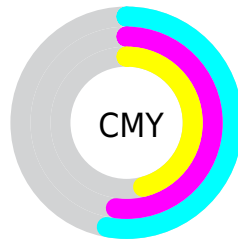


Cyan (12%)

Magenta (10%)

Yellow (0%)

Black (46%)



Cyan (53%)

Magenta (52%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0370, 0.2951, 0.3035 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 20.0370, 0.2951, 0.3035 by changing the saturation by 10% instead.

■ 20.0370, 0.2951,
0.3035

■ 20.0370, 0.2951,
0.3035

252.1153, 0.3051,
0.3179

■ 12.4219, 0.2921,
0.2992

■ 43.4792, 0.2991,
0.3092

■ 7.0317, 0.2878,
0.2932

■ 60.0751, 0.3005,
0.3112

■ 3.4819, 0.2812,
0.2841

■ 80.4335, 0.3016,
0.3128

■ 1.3882, 0.2702,
0.2690

104.9387, 0.3026,
0.3142

■ 0.2080, 0.2042,
0.1685

133.9750, 0.3034,
0.3153

■ 0.0000, 0.0000,
0.0000

167.9270, 0.3040,

0.3163

207.1790, 0.3046,
0.3172

■ 20.0370, 0.2951,
0.3035

■ 20.0370, 0.2951,
0.3035

■ 16.3243, 0.2783,
0.2787

■ 24.2557, 0.3103,
0.3256

■ 13.0963, 0.2601,
0.2512

■ 28.9960, 0.3240,
0.3450

■ 10.3334, 0.2408,
0.2216

■ 34.2756, 0.3361,
0.3619

■ 8.0142, 0.2212,
0.1907

■ 40.1110, 0.3467,
0.3767

■ 6.1153, 0.2021,
0.1597

■ 46.5177, 0.3561,
0.3894

■ 4.6113, 0.1848,
0.1304

■ 53.5107, 0.3644,
0.4005

■ 3.4738, 0.1703,
0.1048

■ 61.1044, 0.3716,
0.4100

■ 2.6707, 0.1597,
0.0844

■ 69.3129, 0.3780,
0.4184

■ 2.2118, 0.1533,
0.0719

■ 78.1494, 0.3837,
0.4256

Harmonies

Analogous

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



20.0370, 0.2860, 0.3071



20.0370, 0.2951, 0.3035



20.0370, 0.3090, 0.3064

Triad

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



20.0370, 0.2951, 0.3035



20.0370, 0.3424, 0.3401



20.0370, 0.3009, 0.3437

Complementary

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



20.0370, 0.2951, 0.3035



24.0193, 0.3298, 0.3533

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.



20.0370, 0.3158, 0.3530



20.0370, 0.2951, 0.3035



20.0370, 0.3400, 0.3505

Square

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



20.0370, 0.2951, 0.3035



20.0370, 0.3366, 0.3271



20.0370, 0.3302, 0.3554



20.0370, 0.2893, 0.3302

Rectangle

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



20.0370, 0.2951, 0.3035



20.0370, 0.3193, 0.3116



20.0370, 0.3302, 0.3554



20.0370, 0.3057, 0.3474

Sweetspot

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



20.0378, 0.2951, 0.3035



42.3364, 0.3083, 0.3227



23.6962, 0.2976, 0.3328



9.3647, 0.3072, 0.3211



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.0378, 0.2951, 0.3035



34.0496, 0.2908, 0.2972



19.9822, 0.3019, 0.3004



4.9868, 0.2991, 0.3093



2.0717, 0.1534, 0.0722



0.0251, 0.1666, 0.1197

Inverse Universe

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



20.4222, 0.3304, 0.3255



34.8961, 0.3350, 0.3247



24.1017, 0.3227, 0.3572



5.0581, 0.3262, 0.3263



4.9933, 0.6196, 0.3187



0.0343, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 20.0370, 0.2951, 0.3035 looks on a white background.

Color Contrast Check

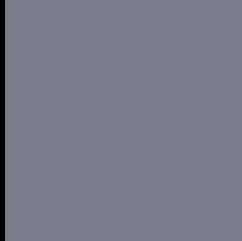
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0370, 0.2951, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

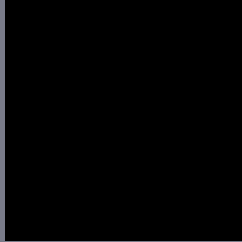
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0370, 0.2951, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 20.0370, 0.2951, 0.3035.



This preview shows how white text looks on a background with the Yxy color 20.0370, 0.2951, 0.3035.

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

20.0370, 0.2951, 0.3035

Protanopia

20.1096, 0.2962, 0.3036

Deuteranopia

19.9350, 0.3033, 0.2970



Tritanopia

20.1018, 0.2982, 0.3124

Trichromacy



Original Color

20.0370, 0.2951, 0.3035

Protanomaly

20.1096, 0.2962, 0.3036

Deuteranomaly

19.9453, 0.2998, 0.2985

Tritanomaly

20.1296, 0.2971, 0.3106

Monochromacy



Original Color

20.0370, 0.2951, 0.3035

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2112, 0.3060, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0370, 0.2951, 0.3035 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(121, 123, 137)` looks like.

```
.text, #text, p{  
    color:rgb(121, 123, 137)  
}
```

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(121, 123, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 123, 137) }
```

Border

The CSS property to change the border of an element to Yxy 20.0370, 0.2951, 0.3035 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(121, 123, 137) }
```

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

```
.border{ border-color:rgb(121, 123, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 123, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 123, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 123, 137);  
box-shadow:4px 4px 4px 4px rgb(121, 123,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0370, 0.2951, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 123, 137) }
```

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

```
.background{ background-color: rgb(121,  
123, 137) }
```

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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