

Converting Colors

$Y_{xy}(20.2797, 0.2988, 0.2676)$

Have a look what the booklet for
Yxy(20.2797, 0.2988, 0.2676)
contains.

Yxy(20.2797, 0.2988, 0.2676)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2797, 0.2988, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	8B7499
RGB	139, 116, 153
RGB Percent	55%, 45%, 60%
CMY	0.4549, 0.5451, 0.4000
CMYK	0.09, 0.24, 0.00, 0.40
HSL	277°, 15%, 53%
HSV	277°, 24%, 60%
XYZ	22.6441, 20.2797, 32.8598
YIQ	127.0950, 1.8310, 16.3830

Conversions

Conversions Part 2

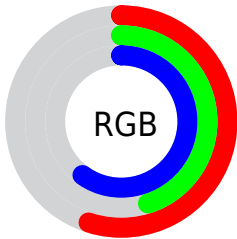
Format	Color
R_{YB}	139, 116, 153
Decimal	9139353
CIE Lab	52.15, 16.20, -16.65
CIE LCh	52, 23.233, 314.224
Yxy	20.2797, 0.2988, 0.2676
Android (android.graphics.Color)	4287329433 (0xFF8B7499)
YUV	127.0950, 12.7712, 10.4407
Hunter-Lab	45.0330, 10.9483, -11.7398

Details

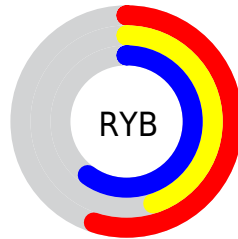
The Yxy color $20.2797, 0.2988, 0.2676$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.7903, 0.3237, 0.3924$, and the grayscale version is $21.2134, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.8477, 0.3027, 0.2809$, and $7.2174, 0.2929, 0.2462$ is the 20% darker color. If you saturate the color by 10%, you get $16.5539, 0.2914, 0.2402$, and if you desaturate by 10%, it is $24.6146, 0.3052, 0.2941$.

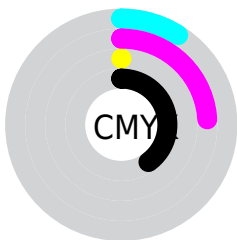
Distribution



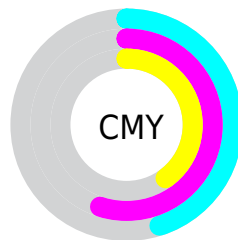
- Red (55%)
- Green (45%)
- Blue (60%)



- Red (55%)
- Yellow (45%)
- Blue (60%)



- Cyan (9%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)





- Cyan (45%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2797, 0.2988, 0.2676 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 20.2797, 0.2988, 0.2676 by changing the saturation by 10% instead.


 20.2797, 0.2988,
0.2676


 20.2797, 0.2988,
0.2676


253.4253, 0.3071,
0.3012

 12.5985, 0.2961,
0.2582


 43.8856, 0.3022,
0.2805

 7.1527, 0.2923,
0.2454


 60.5792, 0.3034,
0.2852

 3.5578, 0.2862,
0.2271

 81.0456, 0.3043,
0.2890

 1.4294, 0.2757,
0.1991

 105.6694, 0.3051,
0.2922

 0.2382, 0.2635,
0.1009

134.8348, 0.3057,
0.2949

 0.0000, 0.0000,
0.0000

168.9264, 0.3063,

0.2973

208.3284, 0.3067,
0.2993

■ 20.2797, 0.2988,
0.2676

■ 20.2797, 0.2988,
0.2676

■ 16.5539, 0.2914,
0.2402

■ 24.6146, 0.3052,
0.2941

■ 13.4057, 0.2831,
0.2127

■ 29.5828, 0.3107,
0.3191

■ 10.8049, 0.2740,
0.1859

■ 35.2105, 0.3153,
0.3423

■ 8.7171, 0.2643,
0.1612

■ 41.5215, 0.3191,
0.3636

■ 7.1042, 0.2543,
0.1397

■ 48.5383, 0.3223,
0.3830

■ 5.9222, 0.2443,
0.1223

■ 56.2827, 0.3249,
0.4005

■ 5.1183, 0.2347,
0.1098

■ 64.7752, 0.3269,
0.4163

■ 4.7408, 0.2293,
0.1037

■ 74.0356, 0.3286,
0.4304

■ 84.0831, 0.3299,
0.4431

Harmonies

Analogous

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



20.2797, 0.2616, 0.2598



20.2797, 0.2988, 0.2676



20.2797, 0.3425, 0.2891

Triad

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



20.2797, 0.2988, 0.2676



20.2797, 0.3910, 0.3859



20.2797, 0.2491, 0.3329

Complementary

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



20.2797, 0.2988, 0.2676



28.7903, 0.3237, 0.3924

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.



20.2797, 0.2805, 0.3742



20.2797, 0.2988, 0.2676



20.2797, 0.3626, 0.4047

Square

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



20.2797, 0.2988, 0.2676



20.2797, 0.3978, 0.3547



20.2797, 0.3219, 0.4016



20.2797, 0.2345, 0.2939

Rectangle

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



20.2797, 0.2988, 0.2676



20.2797, 0.3689, 0.3091



20.2797, 0.3219, 0.4016



20.2797, 0.2579, 0.3472

Sweetspot

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



20.2806, 0.2988, 0.2676



50.2283, 0.3092, 0.3118



22.0275, 0.2748, 0.2888



10.9872, 0.3089, 0.3106



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.2806, 0.2988, 0.2676



32.5907, 0.2949, 0.2529



21.4233, 0.3204, 0.2770



6.2069, 0.3080, 0.3067



3.9374, 0.2299, 0.1040



0.0796, 0.2709, 0.1266

Inverse Universe

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



20.8749, 0.3433, 0.3061



33.8883, 0.3522, 0.3007



27.8608, 0.3058, 0.3872



6.2594, 0.3227, 0.3206



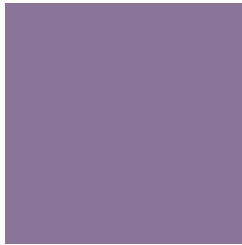
5.8546, 0.5412, 0.2755



0.0942, 0.4392, 0.2193

Previews

White Background



This preview shows how the Yxy color 20.2797, 0.2988, 0.2676 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 20.2797, 0.2988, 0.2676 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 20.2797, 0.2988, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 20.2797, 0.2988, 0.2676.



This preview shows how white text looks on a background with the Yxy color 20.2797, 0.2988, 0.2676.

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

20.2797, 0.2988, 0.2676

Protanopia

20.3475, 0.2692, 0.2677

Deuteranopia

20.3970, 0.2820, 0.2766



Tritanopia

20.1955, 0.3197, 0.3114

Trichromacy



Original Color

20.2797, 0.2988, 0.2676

Protanomaly

20.1183, 0.2790, 0.2669

Deuteranomaly

20.3671, 0.2885, 0.2741

Tritanomaly

20.2629, 0.3118, 0.2961

Monochromacy



Original Color

20.2797, 0.2988, 0.2676

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7688, 0.3078, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2797, 0.2988, 0.2676 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(139, 116, 153)` looks like.

```
.text, #text, p{  
    color:rgb(139, 116, 153)  
}
```

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(139, 116, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 116, 153) }
```

Border

The CSS property to change the border of an element to Yxy 20.2797, 0.2988, 0.2676 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(139, 116, 153) }
```

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

```
.border{ border-color:rgb(139, 116, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 116, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 116, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 116, 153);  
box-shadow:4px 4px 4px 4px rgb(139, 116,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2797, 0.2988, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 116, 153) }
```

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

```
.background{ background-color: rgb(139,  
116, 153) }
```

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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