

Converting Colors

$Y_{xy}(20.6511, 0.3659, 0.2527)$

Have a look what the booklet for
Yxy(20.6511, 0.3659, 0.2527)
contains.

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Color

Yxy(20.5955, 0.3659, 0.2519)

Conversions

Conversions Part 1

Format	Color
Hex	BB5D96
RGB	187, 93, 150
RGB Percent	73%, 36%, 59%
CMY	0.2666, 0.6353, 0.4118
CMYK	0.00, 0.50, 0.20, 0.27
HSL	324°, 41%, 55%
HSV	324°, 50%, 73%
XYZ	29.9162, 20.5955, 31.2489
YIQ	127.6040, 37.7270, 37.6550

Conversions

Conversions Part 2

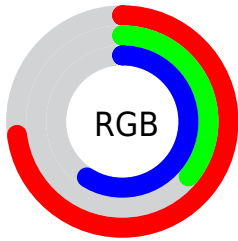
Format	Color
RYB	187, 93, 150
Decimal	12279190
CIELab	52.50, 44.84, -13.81
CIELCh	53, 46.919, 342.878
Yxy	20.5955, 0.3659, 0.2519
Android (android.graphics.Color)	4290469270 (0xFFBB5D96)
YUV	127.6040, 11.0412, 52.0903
Hunter-Lab	45.3823, 38.2491, -9.0578

Details

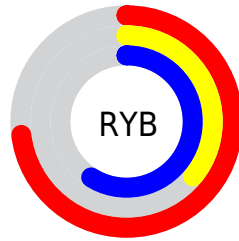
The Yxy color **20.5955, 0.3659, 0.2519** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **39.4890, 0.2825, 0.4238**, and the grayscale version is **21.3934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3299, 0.3550, 0.2675**, and **7.3120, 0.3843, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **17.4757, 0.3816, 0.2390**, and if you desaturate by 10%, it is **24.5349, 0.3519, 0.2667**.

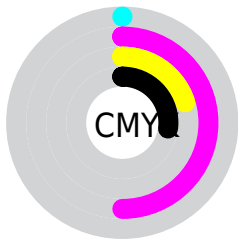
Distribution



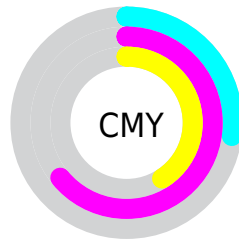
- Red (73%)
- Green (36%)
- Blue (59%)



- Red (73%)
- Yellow (36%)
- Blue (59%)



- Cyan (0%)
- Magenta (50%)
- Yellow (20%)
- Black (27%)





- Cyan (27%)
- Magenta (64%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5955, 0.3659, 0.2519 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 20.5955, 0.3659, 0.2519 by changing the saturation by 10% instead.


 20.5955, 0.3659,
0.2519


 20.5955, 0.3659,
0.2519


255.1209, 0.3370,
0.2930


 12.8287, 0.3739,
0.2408


 44.4134, 0.3548,
0.2675


 7.3107, 0.3848,
0.2260

 61.2331, 0.3508,
0.2731

 3.6571, 0.4002,
0.2054


 81.8394, 0.3476,
0.2778

 1.4837, 0.4236,
0.1752

 106.6164, 0.3448,
0.2818

 0.2772, 0.4825,
0.0909

135.9487, 0.3424,
0.2852

 0.0000, 0.8311,
0.0000

170.2207, 0.3404,

 0.0000, 0.0000,

0.2882

0.0000

209.8166, 0.3386,
0.2908

■ 20.5955, 0.3659,
0.2519

■ 20.5955, 0.3659,
0.2519

■ 17.4757, 0.3816,
0.2390

■ 24.5349, 0.3519,
0.2667

■ 15.1127, 0.3986,
0.2292

■ 29.3448, 0.3397,
0.2824

■ 13.4393, 0.4164,
0.2234

■ 35.0754, 0.3292,
0.2983

■ 12.3751, 0.4344,
0.2227

■ 41.7721, 0.3204,
0.3138

■ 11.7682, 0.4516,
0.2262

■ 49.4775, 0.3129,
0.3286

■ 58.2314, 0.3067,
0.3425

■ 68.0717, 0.3015,
0.3555

■ 79.0341, 0.2972,
0.3674

■ 87.0598, 0.2934,
0.3719

Harmonies

Analogous

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



20.5955, 0.2789, 0.2157



20.5955, 0.3659, 0.2519



20.5955, 0.4452, 0.3041

Triad

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



20.5955, 0.3659, 0.2519



20.5955, 0.4055, 0.4754



20.5955, 0.1686, 0.2572

Complementary

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



20.5955, 0.3659, 0.2519



39.4890, 0.2825, 0.4238

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.



20.5955, 0.1926, 0.3358



20.5955, 0.3659, 0.2519



20.5955, 0.3270, 0.4849

Square

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



20.5955, 0.3659, 0.2519



20.5955, 0.4639, 0.4255



20.5955, 0.2489, 0.4293



20.5955, 0.1758, 0.2136

Rectangle

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



20.5955, 0.3659, 0.2519



20.5955, 0.4757, 0.3437



20.5955, 0.2489, 0.4293



20.5955, 0.1730, 0.2798

Sweetspot

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



20.5965, 0.3659, 0.2519



68.6201, 0.3246, 0.3062



16.0860, 0.2522, 0.1849



14.5606, 0.3265, 0.3029



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.5965, 0.3659, 0.2519



30.9556, 0.3827, 0.2382



19.3935, 0.4360, 0.3142



9.6309, 0.3196, 0.3152



8.1208, 0.4496, 0.2250



0.3306, 0.4111, 0.2038

Inverse Universe

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



20.5965, 0.3659, 0.2519



30.9556, 0.3827, 0.2382



41.0133, 0.2541, 0.3459



9.6309, 0.3196, 0.3152



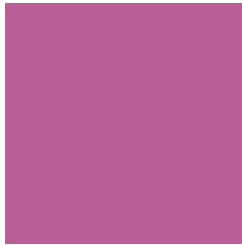
8.1208, 0.4496, 0.2250



0.3306, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 20.5955, 0.3659, 0.2519 looks on a white background.

Color Contrast Check

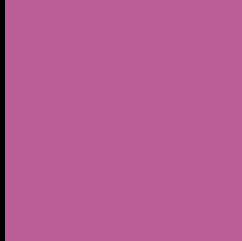
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5955, 0.3659, 0.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

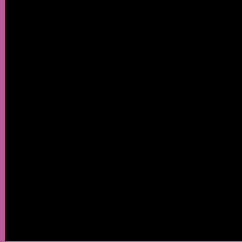
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5955, 0.3659, 0.2519

Background



This preview shows how black text looks on a background with the Yxy color 20.5955, 0.3659, 0.2519.



This preview shows how white text looks on a background with the Yxy color 20.5955, 0.3659, 0.2519.

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

20.5955, 0.3659, 0.2519

Protanopia

20.8386, 0.2537, 0.2478

Deuteranopia

20.8774, 0.2958, 0.2907



Tritanopia

20.6741, 0.4176, 0.3193

Trichromacy



Original Color

20.5955, 0.3659, 0.2519

Protanomaly

19.9796, 0.2871, 0.2467

Deuteranomaly

20.1790, 0.3191, 0.2724

Tritanomaly

20.5693, 0.3981, 0.2938

Monochromacy



Original Color

20.5955, 0.3659, 0.2519

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.4286, 0.3309, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5955, 0.3659, 0.2519 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(187, 93, 150)` looks like.

```
.text, #text, p{  
  color:rgb(187, 93, 150)  
}
```

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(187, 93, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 93, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.5955, 0.3659, 0.2519 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(187, 93, 150) }
```

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

```
.border{ border-color:rgb(187, 93, 150) }
```

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

Here you see how a box with a 4 pixel rgb(187, 93, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 93, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 93, 150);  
box-shadow:4px 4px 4px 4px rgb(187, 93,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5955, 0.3659, 0.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 93, 150) }
```

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

```
.background{ background-color: rgb(187, 93,  
150) }
```

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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