

Converting Colors

$Y_{xy}(20.1789, 0.3141, 0.2503)$

Have a look what the booklet for
Yxy(20.1789, 0.3141, 0.2503)
contains.

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Color

Yxy(20.1521, 0.3151, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	9D6B9E
RGB	157, 107, 158
RGB Percent	62%, 42%, 62%
CMY	0.3844, 0.5803, 0.3804
CMYK	0.01, 0.32, 0.00, 0.38
HSL	299°, 21%, 52%
HSV	299°, 32%, 62%
XYZ	25.3288, 20.1521, 34.9024
YIQ	127.7640, 13.4290, 26.4610

Conversions

Conversions Part 2

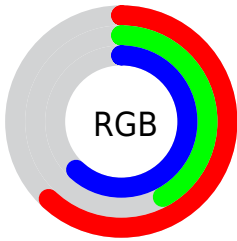
Format	Color
R _Y B	157, 107, 158
Decimal	10316702
CIE Lab	52.01, 28.62, -19.62
CIE LCh	52, 34.696, 325.565
Yxy	20.1521, 0.3151, 0.2507
Android (android.graphics.Color)	4288506782 (0xFF9D6B9E)
YUV	127.7640, 14.9063, 25.6400
Hunter-Lab	44.8911, 22.1552, -14.6737

Details

The Yxy color $20.1521, 0.3151, 0.2507$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.7074, 0.3093, 0.4214$, and the grayscale version is $21.4448, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5974, 0.3148, 0.2662$, and $7.0700, 0.3157, 0.2245$ is the 20% darker color. If you saturate the color by 10%, you get $17.1210, 0.3157, 0.2274$, and if you desaturate by 10%, it is $23.7870, 0.3144, 0.2750$.

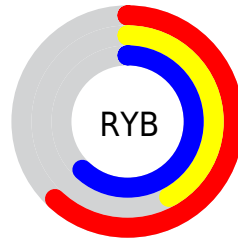
Distribution



Red (62%)

Green (42%)

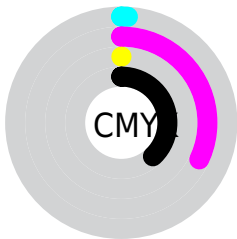
Blue (62%)



Red (62%)

Yellow (42%)

Blue (62%)

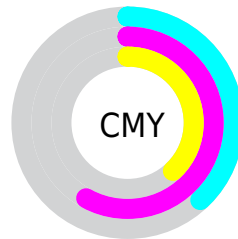


Cyan (1%)

Magenta (32%)

Yellow (0%)

Black (38%)



Cyan (38%)


Magenta (58%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1521, 0.3151, 0.2507 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 20.1521, 0.3151, 0.2507 by changing the saturation by 10% instead.


 20.1521, 0.3151,
0.2507


 20.1521, 0.3151,
0.2507


252.7373, 0.3147,
0.2927


 12.5057, 0.3148,
0.2393


 43.6720, 0.3152,
0.2666

 7.0890, 0.3141,
0.2241


 60.3143, 0.3152,
0.2724

 3.5178, 0.3125,
0.2029

 80.7240, 0.3151,
0.2772

 1.4077, 0.3088,
0.1716

 105.2855, 0.3150,
0.2813

 0.2224, 0.3139,
0.0766

134.3832, 0.3150,
0.2847

 0.0000, 0.0000,
0.0000

168.4015, 0.3149,

0.2877

207.7247, 0.3148,
0.2904

■ 20.1521, 0.3151,
0.2507

■ 20.1521, 0.3151,
0.2507

■ 17.1210, 0.3157,
0.2274

■ 23.7870, 0.3144,
0.2750

■ 14.6584, 0.3161,
0.2061

■ 28.0535, 0.3137,
0.2996

■ 12.7291, 0.3164,
0.1875


■ 32.9807, 0.3129,
0.3237


■ 11.2930, 0.3165,
0.1726


■ 38.5952, 0.3121,
0.3468


■ 10.3046, 0.3165,
0.1616


■ 44.9221, 0.3113,
0.3686


 9.7097, 0.3162,
0.1548

 51.9853, 0.3106,
0.3888

 9.4169, 0.3159,
0.1514

 59.8074, 0.3099,
0.4074

 68.4104, 0.3092,
0.4245

 77.8149, 0.3086,
0.4399

Harmonies

Analogous

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



20.1521, 0.2556, 0.2316



20.1521, 0.3151, 0.2507



20.1521, 0.3802, 0.2862

Triad

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



20.1521, 0.3151, 0.2507



20.1521, 0.4142, 0.4240



20.1521, 0.2091, 0.3088

Complementary

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



20.1521, 0.3151, 0.2507



28.7074, 0.3093, 0.4214

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.



20.1521, 0.2444, 0.3748



20.1521, 0.3151, 0.2507



20.1521, 0.3624, 0.4462

Square

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



20.1521, 0.3151, 0.2507



20.1521, 0.4398, 0.3810



20.1521, 0.3001, 0.4297



20.1521, 0.1996, 0.2585

Rectangle

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



20.1521, 0.3151, 0.2507



20.1521, 0.4154, 0.3161



20.1521, 0.3001, 0.4297



20.1521, 0.2181, 0.3300

Sweetspot

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



20.1530, 0.3151, 0.2507



52.6972, 0.3135, 0.3046



16.4733, 0.2571, 0.2396



11.6264, 0.3136, 0.3014



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.1530, 0.3151, 0.2507



32.3707, 0.3155, 0.2331



19.5159, 0.3465, 0.2856



6.7477, 0.3134, 0.3069



7.5441, 0.3160, 0.1514



0.1368, 0.3181, 0.1526

Inverse Universe

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



18.8727, 0.3830, 0.3275



29.6700, 0.4073, 0.3272



29.2145, 0.2889, 0.3772



6.6482, 0.3281, 0.3286



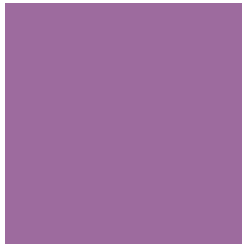
5.8282, 0.6372, 0.3284



0.1048, 0.6231, 0.3206

Previews

White Background



This preview shows how the Yxy color 20.1521, 0.3151, 0.2507 looks on a white background.

Color Contrast Check

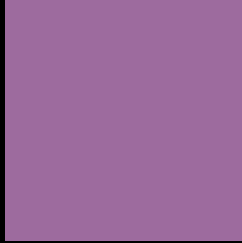
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1521, 0.3151, 0.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

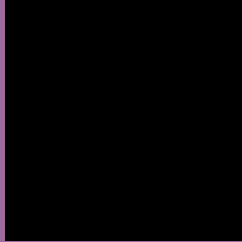
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1521, 0.3151, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 20.1521, 0.3151, 0.2507.



This preview shows how white text looks on a background with the Yxy color 20.1521, 0.3151, 0.2507.

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

20.1521, 0.3151, 0.2507

Protanopia

20.4477, 0.2541, 0.2487

Deuteranopia

20.3506, 0.2770, 0.2715



Tritanopia

20.1401, 0.3516, 0.3141

Trichromacy



Original Color

20.1521, 0.3151, 0.2507

Protanomaly

20.0649, 0.2734, 0.2477

Deuteranomaly

20.1912, 0.2899, 0.2637

Tritanomaly

20.0165, 0.3380, 0.2885

Monochromacy



Original Color

20.1521, 0.3151, 0.2507

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.7860, 0.3142, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1521, 0.3151, 0.2507 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(157, 107, 158)` looks like.

```
.text, #text, p{  
    color:rgb(157, 107, 158)  
}
```

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(157, 107, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 107, 158) }
```

Border

The CSS property to change the border of an element to Yxy 20.1521, 0.3151, 0.2507 is called "border". The border property can be set on classes, ids or directly on the HTML element.

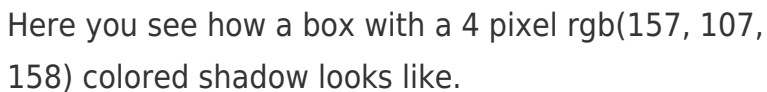
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 107, 158) }
```

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

```
.border{ border-color:rgb(157, 107, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 107, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 107, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 107, 158); box-shadow:4px 4px 4px 4px rgb(157, 107, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1521, 0.3151, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 107, 158) }
```

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

```
.background{ background-color: rgb(157,  
107, 158) }
```

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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