

Converting Colors

$Y_{xy}(20.7119, 0.2443, 0.3091)$

Have a look what the booklet for
Yxy(20.7119, 0.2443, 0.3091)
contains.

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Color

Yxy(20.7119, 0.2443, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	478791
RGB	71, 135, 145
RGB Percent	28%, 53%, 57%
CMY	0.7218, 0.4705, 0.4313
CMYK	0.51, 0.07, 0.00, 0.43
HSL	188°, 34%, 42%
HSV	188°, 51%, 57%
XYZ	16.3698, 20.7119, 29.9254
YIQ	117.0040, -41.3540, -10.4580

Conversions

Conversions Part 2

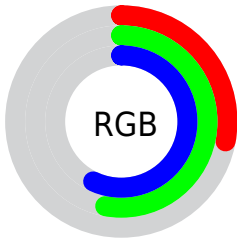
Format	Color
R_{YB}	71, 105, 145
Decimal	4687761
CIE _{Lab}	52.63, -17.64, -11.70
CIE _{LCh}	53, 21.170, 213.555
Yxy	20.7119, 0.2443, 0.3091
Android (android.graphics.Color)	4282877841 (0xFF478791)
YUV	117.0040, 13.8020, -40.3455
Hunter-Lab	45.5103, -15.4375, -7.1290




Details

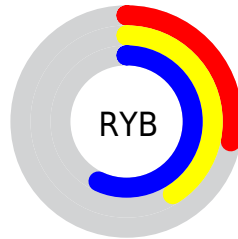
The Yxy color **20.7119, 0.2443, 0.3091** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.3485, 0.4424, 0.3468**, and the grayscale version is **17.7521, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.4499, 0.2590, 0.3133**, and **7.3619, 0.2181, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **19.6878, 0.2345, 0.3046**, and if you desaturate by 10%, it is **21.8784, 0.2556, 0.3135**.

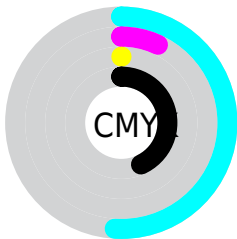
Distribution







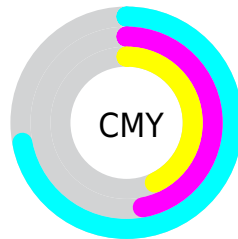
-  Red (28%)
-  Green (53%)
-  Blue (57%)






-  Red (28%)
-  Yellow (41%)
-  Blue (57%)



-  Cyan (51%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (43%)





-  Cyan (72%)
-  Magenta (47%)
-  Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7119, 0.2443, 0.3091 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 20.7119, 0.2443, 0.3091 by changing the saturation by 10% instead.


 20.7119, 0.2443,
0.3091

 20.7119, 0.2443,
0.3091


255.7434, 0.2823,
0.3212


 12.9136, 0.2334,
0.3051


 44.6076, 0.2591,
0.3141


 7.3691, 0.2185,
0.2993


 61.4737, 0.2643,
0.3158


 3.6940, 0.1970,
0.2900

 82.1312, 0.2686,
0.3172

 1.5039, 0.1635,
0.2733

 106.9645, 0.2723,
0.3183

 0.2915, 0.0000,
0.2028

 136.3580, 0.2753,
0.3192

 0.0000, 0.0000,
0.0000

170.6960, 0.2780,

0.3200

210.3630, 0.2802,
0.3206

■ 20.7119, 0.2443,
0.3091

■ 20.7119, 0.2443,
0.3091

■ 19.6878, 0.2345,
0.3046

■ 21.8784, 0.2556,
0.3135

■ 18.7943, 0.2265,
0.3000

■ 23.1935, 0.2682,
0.3177

■ 18.0213, 0.2203,
0.2953

■ 24.6659, 0.2818,
0.3216

■ 17.3561, 0.2159,
0.2907

■ 26.3029, 0.2962,
0.3253

■ 16.8234, 0.2129,
0.2866

■ 28.1112, 0.3111,
0.3287

■ 30.0973, 0.3262,
0.3317

■ 32.2673, 0.3413,
0.3345

■ 34.6269, 0.3561,
0.3369

■ 37.1815, 0.3707,
0.3391

Harmonies

Analogous

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



20.7119, 0.2636, 0.3464



20.7119, 0.2443, 0.3091



20.7119, 0.2421, 0.2807

Triad

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



20.7119, 0.2443, 0.3091



20.7119, 0.3257, 0.2845



20.7119, 0.3690, 0.3935

Complementary

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



20.7119, 0.2443, 0.3091



12.3485, 0.4424, 0.3468

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.



20.7119, 0.3883, 0.3719



20.7119, 0.2443, 0.3091



20.7119, 0.3628, 0.3104

Square

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



20.7119, 0.2443, 0.3091



20.7119, 0.2870, 0.2688



20.7119, 0.3863, 0.3416



20.7119, 0.3351, 0.3979

Rectangle

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



20.7119, 0.2443, 0.3091



20.7119, 0.2503, 0.2698



20.7119, 0.3863, 0.3416



20.7119, 0.3775, 0.3878

Sweetspot

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



20.7127, 0.2443, 0.3091



45.8235, 0.2901, 0.3238



22.1811, 0.2979, 0.4654



10.0720, 0.2874, 0.3231



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.7127, 0.2443, 0.3091



35.0525, 0.2335, 0.3040



12.1343, 0.2292, 0.2302



5.9939, 0.2990, 0.3260



14.4559, 0.2130, 0.2869



0.1604, 0.2192, 0.3092

Inverse Universe

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



12.2678, 0.3334, 0.2235



18.6475, 0.3390, 0.2046



19.3950, 0.4071, 0.4096



5.4987, 0.3156, 0.3102



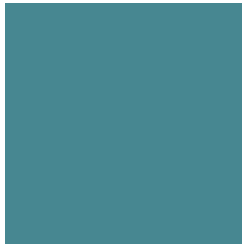
6.4457, 0.3572, 0.1741



0.0639, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 20.7119, 0.2443, 0.3091 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 20.7119, 0.2443, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

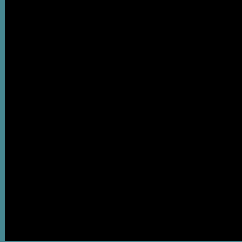
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7119, 0.2443, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 20.7119, 0.2443, 0.3091.

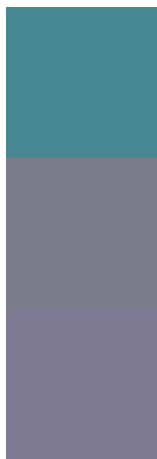


This preview shows how white text looks on a background with the Yxy color 20.7119, 0.2443, 0.3091.

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

20.7119, 0.2443, 0.3091

Protanopia

20.4612, 0.2963, 0.3037

Deuteranopia

20.4928, 0.2893, 0.2836



Tritanopia

20.7429, 0.2436, 0.3072

Trichromacy



Original Color

20.7119, 0.2443, 0.3091

Protanomaly

20.3045, 0.2734, 0.3044

Deuteranomaly

20.3495, 0.2698, 0.2920

Tritanomaly

20.7429, 0.2436, 0.3072

Monochromacy



Original Color

20.7119, 0.2443, 0.3091

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.6569, 0.2820, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7119, 0.2443, 0.3091 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(71, 135, 145)` looks like.

```
.text, #text, p{  
    color:rgb(71, 135, 145)  
}
```

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(71, 135, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 135, 145) }
```

Border

The CSS property to change the border of an element to Yxy 20.7119, 0.2443, 0.3091 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(71, 135, 145) }
```

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

```
.border{ border-color:rgb(71, 135, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 135, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 135, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 135, 145);  
box-shadow:4px 4px 4px 4px rgb(71, 135,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7119, 0.2443, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 135, 145) }
```

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

```
.background{ background-color: rgb(71, 135,  
145) }
```

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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