

Converting Colors

$Y_{xy}(21.5490, 0.2446, 0.3190)$

Have a look what the booklet for
Yxy(21.5490, 0.2446, 0.3190)
contains.

Yxy(21.7078, 0.2447, 0.3190)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7078, 0.2447, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	448B90
RGB	68, 139, 144
RGB Percent	27%, 55%, 56%
CMY	0.7331, 0.4549, 0.4354
CMYK	0.53, 0.03, 0.00, 0.44
HSL	184°, 36%, 42%
HSV	184°, 53%, 56%
XYZ	16.6517, 21.7078, 29.6900
YIQ	118.3410, -43.9210, -13.4970

Conversions

Conversions Part 2

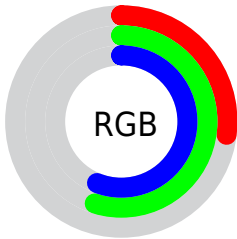
Format	Color
RYB	68, 105, 144
Decimal	4492176
CIELab	53.72, -20.72, -9.49
CIElCh	54, 22.793, 204.612
Yxy	21.7078, 0.2447, 0.3190
Android (android.graphics.Color)	4282682256 (0xFF448B90)
YUV	118.3410, 12.6499, -44.1491
Hunter-Lab	46.5916, -17.7399, -5.1678

Details

The Yxy color **21.7078, 0.2447, 0.3190** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.1148, 0.4540, 0.3381**, and the grayscale version is **18.2028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4281, 0.2594, 0.3218**, and **7.9529, 0.2204, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **20.9801, 0.2361, 0.3168**, and if you desaturate by 10%, it is **22.5667, 0.2550, 0.3211**.

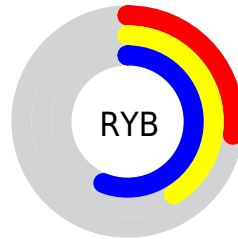
Distribution



Red (27%)

Green (55%)

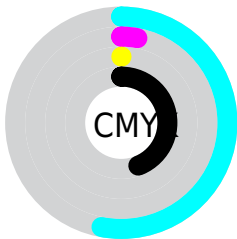
Blue (56%)



Red (27%)

Yellow (41%)

Blue (56%)

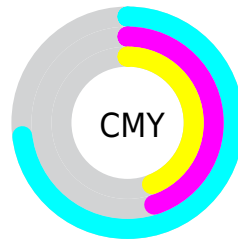


Cyan (53%)

Magenta (3%)

Yellow (0%)

Black (44%)



Cyan (73%)


Magenta (45%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7078, 0.2447, 0.3190 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 21.7078, 0.2447, 0.3190 by changing the saturation by 10% instead.


 21.7078, 0.2447,
0.3190


 21.7078, 0.2447,
0.3190


261.0165, 0.2822,
0.3255


 13.6424, 0.2340,
0.3167


 46.2626, 0.2593,
0.3218


 7.8723, 0.2194,
0.3132


 63.5207, 0.2645,
0.3227

 4.0134, 0.1984,
0.3074

 84.6118, 0.2687,
0.3234

 1.6810, 0.1660,
0.2965

 109.9204, 0.2723,
0.3240

 0.4113, 0.0000,
0.2688

 139.8307, 0.2754,
0.3245

 0.0000, 0.0000,
0.0000

174.7273, 0.2780,

0.3248

214.9944, 0.2802,
0.3252

■ 21.7078, 0.2447,
0.3190

■ 21.7078, 0.2447,
0.3190

■ 20.9801, 0.2361,
0.3168

■ 22.5667, 0.2550,
0.3211

■ 20.3717, 0.2292,
0.3147

■ 23.5628, 0.2668,
0.3231

■ 19.8726, 0.2242,
0.3125

■ 24.7047, 0.2798,
0.3251

■ 19.4699, 0.2209,
0.3104

■ 25.9997, 0.2939,
0.3269

■ 19.2111, 0.2191,
0.3088

■ 27.4545, 0.3086,
0.3286

■ 29.0754, 0.3238,
0.3301

■ 30.8683, 0.3391,
0.3315

■ 32.8389, 0.3544,
0.3327

■ 34.9927, 0.3696,
0.3338

Harmonies

Analogous

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



21.7078, 0.2699, 0.3594



21.7078, 0.2447, 0.3190



21.7078, 0.2369, 0.2852

Triad

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



21.7078, 0.2447, 0.3190



21.7078, 0.3138, 0.2758



21.7078, 0.3804, 0.3918

Complementary

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



21.7078, 0.2447, 0.3190



11.1148, 0.4540, 0.3381

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.



21.7078, 0.3948, 0.3651



21.7078, 0.2447, 0.3190



21.7078, 0.3550, 0.3003

Square

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



21.7078, 0.2447, 0.3190



21.7078, 0.2747, 0.2633



21.7078, 0.3855, 0.3320



21.7078, 0.3480, 0.4032

Rectangle

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



21.7078, 0.2447, 0.3190



21.7078, 0.2419, 0.2706



21.7078, 0.3855, 0.3320



21.7078, 0.3876, 0.3841

Sweetspot

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



21.7086, 0.2447, 0.3190



45.0184, 0.2887, 0.3263



21.6374, 0.3023, 0.4838



10.2276, 0.2862, 0.3259



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.



21.7086, 0.2447, 0.3190



36.8343, 0.2349, 0.3165



12.7895, 0.2292, 0.2405



6.0566, 0.2990, 0.3275



16.7474, 0.2192, 0.3089



0.1719, 0.2221, 0.3196

Inverse Universe

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



11.9319, 0.3259, 0.2133



17.9315, 0.3291, 0.1936



17.4569, 0.4166, 0.4018



5.5050, 0.3147, 0.3087



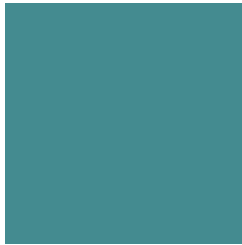
6.6770, 0.3376, 0.1634



0.0650, 0.3285, 0.1584

Previews

White Background



This preview shows how the Yxy color 21.7078, 0.2447, 0.3190 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 21.7078, 0.2447, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

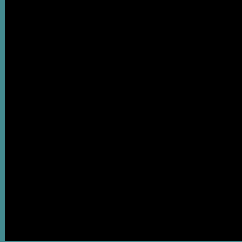
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7078, 0.2447, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 21.7078, 0.2447, 0.3190.



This preview shows how white text looks on a background with the Yxy color 21.7078, 0.2447, 0.3190.

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

21.7078, 0.2447, 0.3190

Protanopia

21.4683, 0.3030, 0.3130

Deuteranopia

21.5991, 0.2961, 0.2912



Tritanopia

21.6490, 0.2420, 0.3075

Trichromacy



Original Color

21.7078, 0.2447, 0.3190

Protanomaly

21.1609, 0.2777, 0.3139

Deuteranomaly

21.2287, 0.2732, 0.2996

Tritanomaly

21.5488, 0.2428, 0.3112

Monochromacy



Original Color

21.7078, 0.2447, 0.3190

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1633, 0.2823, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7078, 0.2447, 0.3190 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(68, 139, 144)` looks like.

```
.text, #text, p{  
    color:rgb(68, 139, 144)  
}
```

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(68, 139, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 139, 144) }
```

Border

The CSS property to change the border of an element to Yxy 21.7078, 0.2447, 0.3190 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(68, 139, 144) }
```

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

```
.border{ border-color:rgb(68, 139, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 139, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 139, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 139, 144);  
box-shadow:4px 4px 4px 4px rgb(68, 139,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7078, 0.2447, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 139, 144) }
```

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

```
.background{ background-color: rgb(68, 139,  
144) }
```

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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