

Converting Colors

$Y_{xy}(21.7860, 0.2631, 0.3290)$

Have a look what the booklet for
Yxy(21.7860, 0.2631, 0.3290)
contains.

Yxy(21.7237, 0.2633, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(21.7237, 0.2633, 0.3289)$

Conversions

Conversions Part 1

Format	Color
Hex	578989
RGB	87, 137, 137
RGB Percent	34%, 54%, 54%
CMY	0.6588, 0.4627, 0.4628
CMYK	0.36, 0.00, 0.00, 0.46
HSL	180°, 22%, 44%
HSV	180°, 36%, 54%
XYZ	17.3908, 21.7237, 26.9350
YIQ	122.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

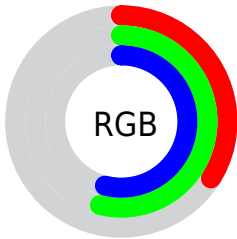
Format	Color
R _Y B	87, 112, 137
Decimal	5736841
CIE Lab	53.73, -16.72, -5.32
CIE LCh	54, 17.542, 197.657
Yxy	21.7237, 0.2633, 0.3289
Android (android.graphics.Color)	4283926921 (0xFF578989)
YUV	122.0500, 7.3704, -30.7388
Hunter-Lab	46.6087, -14.9625, -1.6374

Details

The Yxy color **21.7237, 0.2633, 0.3289** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.8256, 0.3965, 0.3292**, and the grayscale version is **19.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4683, 0.2742, 0.3303**, and **7.8796, 0.2444, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **21.1262, 0.2527, 0.3289**, and if you desaturate by 10%, it is **22.4481, 0.2754, 0.3289**.

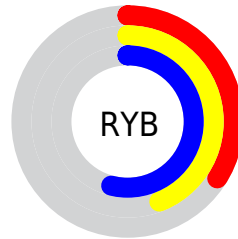
Distribution



Red (34%)

Green (54%)

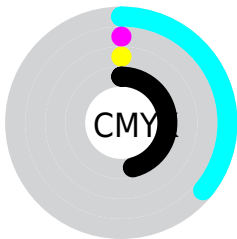
Blue (54%)



Red (34%)

Yellow (44%)

Blue (54%)

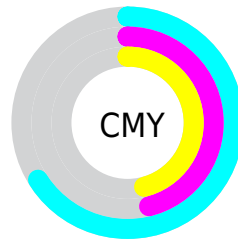


Cyan (36%)

Magenta (0%)

Yellow (0%)

Black (46%)



Cyan (66%)

Magenta (46%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7237, 0.2633, 0.3289 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 21.7237, 0.2633, 0.3289 by changing the saturation by 10% instead.

■ 21.7237, 0.2633,
0.3289

■ 21.7237, 0.2633,
0.3289

■ 261.1000, 0.2908,
0.3294

■ 13.6540, 0.2553,
0.3286

■ 46.2889, 0.2741,
0.3292

■ 7.8804, 0.2443,
0.3279

■ 63.5532, 0.2779,
0.3293

■ 4.0185, 0.2282,
0.3267

■ 84.6512, 0.2810,
0.3293

■ 1.6839, 0.2023,
0.3237

■ 109.9673, 0.2836,
0.3293

■ 0.4132, 0.0000,
0.3345

■ 139.8858, 0.2858,
0.3294

■ 0.0000, 0.0000,
0.0000

174.7911, 0.2877,

0.3294

215.0677, 0.2894,
0.3294

■ 21.7237, 0.2633,
0.3289

■ 21.7237, 0.2633,
0.3289

■ 21.1262, 0.2527,
0.3289

■ 22.4481, 0.2754,
0.3289

■ 20.6460, 0.2437,
0.3289

■ 23.3033, 0.2887,
0.3290

■ 20.2760, 0.2365,
0.3289

■ 24.2963, 0.3030,
0.3290


■ 20.0075, 0.2311,
0.3289

■ 25.4328, 0.3180,
0.3290

■ 19.8304, 0.2275,
0.3289


■ 26.7182, 0.3335,
0.3290

 19.7277, 0.2253,
0.3289

 28.1576, 0.3491,
0.3291

 19.6965, 0.2247,
0.3289

 29.7558, 0.3647,
0.3291

 31.5176, 0.3800,
0.3292

 33.4473, 0.3950,
0.3292

Harmonies

Analogous

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



21.7237, 0.2860, 0.3588



21.7237, 0.2633, 0.3289



21.7237, 0.2536, 0.3009

Triad

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



21.7237, 0.2633, 0.3289



21.7237, 0.3064, 0.2840



21.7237, 0.3691, 0.3741

Complementary

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



21.7237, 0.2633, 0.3289



12.8256, 0.3965, 0.3292

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.



21.7237, 0.3757, 0.3521



21.7237, 0.2633, 0.3289



21.7237, 0.3385, 0.3015

Square

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



21.7237, 0.2633, 0.3289



21.7237, 0.2775, 0.2769



21.7237, 0.3643, 0.3259



21.7237, 0.3471, 0.3852

Rectangle

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



21.7237, 0.2633, 0.3289



21.7237, 0.2553, 0.2873



21.7237, 0.3643, 0.3259



21.7237, 0.3732, 0.3677

Sweetspot

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



21.7246, 0.2633, 0.3289



42.6314, 0.2961, 0.3290



20.6477, 0.3086, 0.4342



9.5167, 0.2945, 0.3290



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.7246, 0.2633, 0.3289



37.9801, 0.2542, 0.3289



15.6077, 0.2566, 0.2794



5.6886, 0.2991, 0.3290



18.3464, 0.2247, 0.3289



0.1219, 0.2247, 0.3288

Inverse Universe

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



12.8256, 0.3965, 0.3292



19.5510, 0.4266, 0.3293



17.4139, 0.3807, 0.3737



5.0486, 0.3280, 0.3290



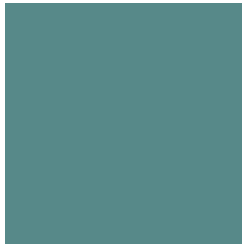
4.9542, 0.6400, 0.3299



0.0329, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 21.7237, 0.2633, 0.3289 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 21.7237, 0.2633, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

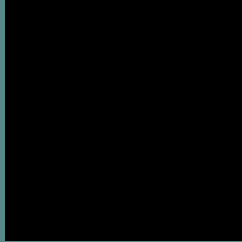
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7237, 0.2633, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 21.7237, 0.2633, 0.3289.



This preview shows how white text looks on a background with the Yxy color 21.7237, 0.2633, 0.3289.

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

21.7237, 0.2633, 0.3289

Protanopia

21.4846, 0.3107, 0.3219

Deuteranopia

21.4596, 0.3081, 0.3014



Tritanopia

21.8075, 0.2574, 0.3099

Trichromacy



Original Color

21.7237, 0.2633, 0.3289

Protanomaly

21.5035, 0.2917, 0.3252

Deuteranomaly

21.4161, 0.2900, 0.3108

Tritanomaly

21.6662, 0.2590, 0.3154

Monochromacy



Original Color

21.7237, 0.2633, 0.3289

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9623, 0.2921, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7237, 0.2633, 0.3289 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(87, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(87, 137, 137)  
}
```

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(87, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 137, 137) }
```

Border

The CSS property to change the border of an element to Yxy 21.7237, 0.2633, 0.3289 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(87, 137, 137) }
```

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

```
.border{ border-color:rgb(87, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(87, 137,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7237, 0.2633, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 137, 137) }
```

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

```
.background{ background-color: rgb(87, 137,  
137) }
```

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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