

Converting Colors

$Y_{xy}(22.4230, 0.2982, 0.3459)$

Have a look what the booklet for
Yxy(22.4230, 0.2982, 0.3459)
contains.

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Color

Yxy(22.4117, 0.2988, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	72877E
RGB	114, 135, 126
RGB Percent	45%, 53%, 49%
CMY	0.5529, 0.4706, 0.5058
CMYK	0.16, 0.00, 0.07, 0.47
HSL	154°, 8%, 49%
HSV	154°, 16%, 53%
XYZ	19.3712, 22.4117, 23.0470
YIQ	127.6950, -9.6270, -7.2510

Conversions

Conversions Part 2

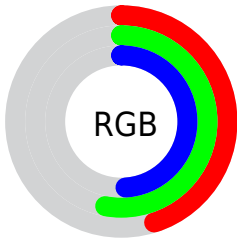
Format	Color
R_{YB}	114, 127, 135
Decimal	7505790
CIE _{Lab}	54.46, -9.47, 2.29
CIE _{LCh}	54, 9.740, 166.388
Yxy	22.4117, 0.2988, 0.3457
Android (android.graphics.Color)	4285695870 (0xFF72877E)
YUV	127.6950, -0.8356, -12.0105
Hunter-Lab	47.3410, -9.8074, 4.2745

Details

The Yxy color **22.4117, 0.2988, 0.3457** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6190, 0.3291, 0.3129**, and the grayscale version is **21.4822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3281, 0.3016, 0.3411**, and **8.1911, 0.2937, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **21.4280, 0.2903, 0.3579**, and if you desaturate by 10%, it is **23.5395, 0.3077, 0.3346**.

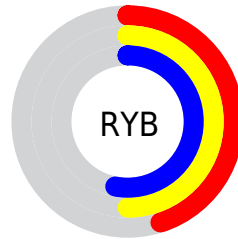
Distribution



Red (45%)

Green (53%)

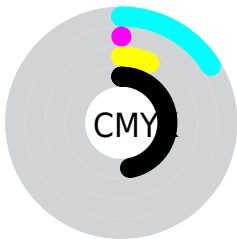
Blue (49%)



Red (45%)

Yellow (50%)

Blue (53%)

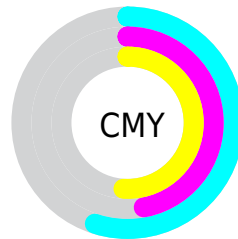


Cyan (16%)

Magenta (0%)

Yellow (7%)

Black (47%)



Cyan (55%)

Magenta (47%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4117, 0.2988, 0.3457 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 22.4117, 0.2988, 0.3457 by changing the saturation by 10% instead.

■ 22.4117, 0.2988,
0.3457

■ 22.4117, 0.2988,
0.3457

■ 264.6888, 0.3067,
0.3363

■ 14.1597, 0.2965,
0.3485

■ 47.4255, 0.3019,
0.3419

■ 8.2318, 0.2932,
0.3525

■ 64.9561, 0.3030,
0.3406

■ 4.2437, 0.2883,
0.3586

■ 86.3484, 0.3039,
0.3396

■ 1.8108, 0.2800,
0.3688

■ 111.9868, 0.3046,
0.3387

■ 0.4939, 0.2148,
0.4451

■ 142.2556, 0.3052,
0.3379

■ 0.0000, 0.0000,
0.0000

177.5393, 0.3058,

0.3373

218.2222, 0.3062,
0.3367

■ 22.4117, 0.2988,
0.3457

■ 22.4117, 0.2988,
0.3457

■ 21.4280, 0.2903,
0.3579

■ 23.5395, 0.3077,
0.3346

■ 20.5797, 0.2824,
0.3712

■ 24.8143, 0.3168,
0.3247

■ 19.8612, 0.2755,
0.3856

■ 26.2422, 0.3259,
0.3159

■ 19.2656, 0.2698,
0.4008

■ 27.8284, 0.3348,
0.3080

■ 18.7854, 0.2656,
0.4166

■ 29.5776, 0.3436,
0.3011

■ 18.4120, 0.2631,
0.4328

■ 31.4944, 0.3520,
0.2950

■ 18.1357, 0.2625,
0.4490

■ 33.5832, 0.3601,
0.2897

■ 17.9420, 0.2638,
0.4650

■ 35.8483, 0.3679,
0.2851

■ 17.8659, 0.2645,
0.4720

■ 38.2937, 0.3752,
0.2810

Harmonies

Analogous

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



22.4117, 0.3159, 0.3567



22.4117, 0.2988, 0.3457



22.4117, 0.2856, 0.3301

Triad

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



22.4117, 0.2988, 0.3457



22.4117, 0.2927, 0.2997



22.4117, 0.3470, 0.3419

Complementary

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



22.4117, 0.2988, 0.3457



18.6190, 0.3291, 0.3129

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.



22.4117, 0.3404, 0.3271



22.4117, 0.2988, 0.3457



22.4117, 0.3088, 0.3032

Square

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



22.4117, 0.2988, 0.3457



22.4117, 0.2822, 0.3037



22.4117, 0.3263, 0.3131



22.4117, 0.3440, 0.3539

Rectangle

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



22.4117, 0.2988, 0.3457



22.4117, 0.2807, 0.3194



22.4117, 0.3263, 0.3131



22.4117, 0.3458, 0.3371

Sweetspot

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



22.4126, 0.2988, 0.3457



42.2487, 0.3081, 0.3342



22.7617, 0.3212, 0.3676



9.7538, 0.3075, 0.3348



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.



22.4126, 0.2988, 0.3457



39.4235, 0.2954, 0.3503



22.2674, 0.2900, 0.3264



5.2460, 0.3045, 0.3385



16.4777, 0.2643, 0.4715



0.0586, 0.2451, 0.4024

Inverse Universe

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



18.6190, 0.3291, 0.3129



31.1540, 0.3340, 0.3087



18.7222, 0.3402, 0.3316



4.7194, 0.3218, 0.3197



5.0324, 0.5193, 0.2634



0.0188, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 22.4117, 0.2988, 0.3457 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 22.4117, 0.2988, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

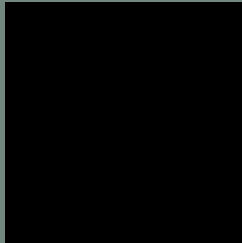
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

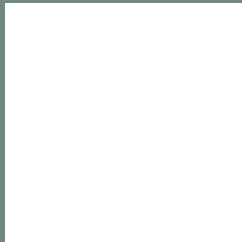
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4117, 0.2988, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 22.4117, 0.2988, 0.3457.



This preview shows how white text looks on a background with the Yxy color 22.4117, 0.2988, 0.3457.

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

22.4117, 0.2988, 0.3457

Protanopia

22.1989, 0.3252, 0.3396

Deuteranopia

22.3199, 0.3310, 0.3257



Tritanopia

22.2676, 0.2853, 0.3092

Trichromacy



Original Color

22.4117, 0.2988, 0.3457

Protanomaly

22.1999, 0.3156, 0.3416

Deuteranomaly

22.1384, 0.3184, 0.3326

Tritanomaly

22.2942, 0.2901, 0.3217

Monochromacy



Original Color

22.4117, 0.2988, 0.3457

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9759, 0.3078, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4117, 0.2988, 0.3457 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(114, 135, 126)` looks like.

```
.text, #text, p{  
    color:rgb(114, 135, 126)  
}
```

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(114, 135, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 135, 126) }
```

Border

The CSS property to change the border of an element to Yxy 22.4117, 0.2988, 0.3457 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(114, 135, 126) }
```

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

```
.border{ border-color:rgb(114, 135, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 135, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 135, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 135, 126);  
box-shadow:4px 4px 4px 4px rgb(114, 135,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4117, 0.2988, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 135, 126) }
```

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

```
.background{ background-color: rgb(114,  
135, 126) }
```

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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