

Converting Colors

$Y_{xy}(22.8147, 0.2437, 0.3177)$

Have a look what the booklet for
Yxy(22.8147, 0.2437, 0.3177)
contains.

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Color

$\text{Yxy}(22.7493, 0.2437, 0.3172)$

Conversions

Conversions Part 1

Format	Color
Hex	458E94
RGB	69, 142, 148
RGB Percent	27%, 56%, 58%
CMY	0.7291, 0.4432, 0.4196
CMYK	0.53, 0.04, 0.00, 0.42
HSL	185°, 36%, 43%
HSV	185°, 53%, 58%
XYZ	17.4779, 22.7493, 31.4919
YIQ	120.8570, -45.4340, -13.6100

Conversions

Conversions Part 2

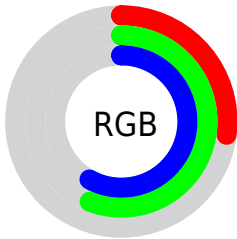
Format	Color
R _Y B	69, 107, 148
Decimal	4558484
CIE Lab	54.81, -20.90, -10.17
CIE LCh	55, 23.245, 205.953
Yxy	22.7493, 0.2437, 0.3172
Android (android.graphics.Color)	4282748564 (0xFF458E94)
YUV	120.8570, 13.3815, -45.4786
Hunter-Lab	47.6962, -18.0583, -5.7594

Details

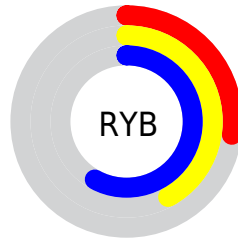
The Yxy color **22.7493, 0.2437, 0.3172** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.7757, 0.4561, 0.3396**, and the grayscale version is **19.0466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0292, 0.2583, 0.3205**, and **8.3452, 0.2197, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **21.9395, 0.2350, 0.3147**, and if you desaturate by 10%, it is **23.6993, 0.2540, 0.3197**.

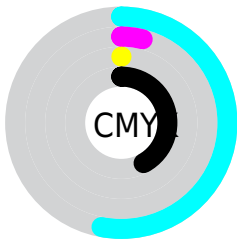
Distribution



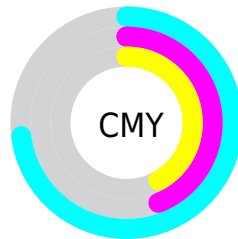
- Red (27%)
- Green (56%)
- Blue (58%)



- Red (27%)
- Yellow (42%)
- Blue (58%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (42%)




- Cyan (73%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7493, 0.2437, 0.3172 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 22.7493, 0.2437, 0.3172 by changing the saturation by 10% instead.


 22.7493, 0.2437,
0.3172


 22.7493, 0.2437,
0.3172


266.4347, 0.2815,
0.3247


 14.4085, 0.2331,
0.3146


 47.9813, 0.2583,
0.3204


 8.4053, 0.2187,
0.3108


 65.6414, 0.2635,
0.3214


 4.3554, 0.1981,
0.3046

 87.1766, 0.2678,
0.3222

 1.8743, 0.1667,
0.2932

 112.9715, 0.2714,
0.3229

 0.5328, 0.0000,
0.2861

 143.4103, 0.2745,
0.3235

 0.0000, 0.0000,
0.0000

178.8775, 0.2772,

0.3239

219.7575, 0.2795,
0.3243

■ 22.7493, 0.2437,
0.3172

■ 22.7493, 0.2437,
0.3172

■ 21.9395, 0.2350,
0.3147

■ 23.6993, 0.2540,
0.3197

■ 21.2571, 0.2282,
0.3121

■ 24.7961, 0.2659,
0.3220

■ 20.6913, 0.2232,
0.3096

■ 26.0490, 0.2789,
0.3243

■ 20.2281, 0.2199,
0.3071

■ 27.4657, 0.2930,
0.3264

■ 19.9496, 0.2182,
0.3054

■ 29.0534, 0.3077,
0.3284

■ 30.8189, 0.3229,
0.3302

■ 32.7686, 0.3382,
0.3318

■ 34.9086, 0.3535,
0.3333

■ 37.2448, 0.3686,
0.3345

Harmonies

Analogous

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



22.7493, 0.2683, 0.3577



22.7493, 0.2437, 0.3172



22.7493, 0.2367, 0.2838

Triad

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



22.7493, 0.2437, 0.3172



22.7493, 0.3157, 0.2764



22.7493, 0.3796, 0.3930

Complementary

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



22.7493, 0.2437, 0.3172



11.7757, 0.4561, 0.3396

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.



22.7493, 0.3949, 0.3666



22.7493, 0.2437, 0.3172



22.7493, 0.3569, 0.3015

Square

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



22.7493, 0.2437, 0.3172



22.7493, 0.2761, 0.2633



22.7493, 0.3867, 0.3335



22.7493, 0.3464, 0.4035

Rectangle

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



22.7493, 0.2437, 0.3172



22.7493, 0.2423, 0.2696



22.7493, 0.3867, 0.3335



22.7493, 0.3871, 0.3855

Sweetspot

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



22.7502, 0.2437, 0.3172



47.6719, 0.2887, 0.3258



22.9517, 0.3013, 0.4835



10.7755, 0.2861, 0.3254



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.7502, 0.2437, 0.3172



38.4509, 0.2336, 0.3142



13.1656, 0.2276, 0.2362



6.4873, 0.2990, 0.3273



17.0545, 0.2182, 0.3056



0.2269, 0.2217, 0.3180

Inverse Universe

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



12.5174, 0.3274, 0.2131



18.7203, 0.3311, 0.1931



18.7206, 0.4170, 0.4048



5.9016, 0.3148, 0.3088



6.9150, 0.3406, 0.1650



0.0865, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 22.7493, 0.2437, 0.3172 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 22.7493, 0.2437, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

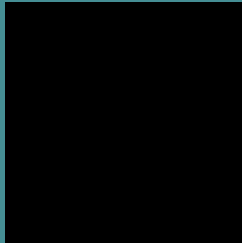
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7493, 0.2437, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 22.7493, 0.2437, 0.3172.



This preview shows how white text looks on a background with the Yxy color 22.7493, 0.2437, 0.3172.

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

22.7493, 0.2437, 0.3172

Protanopia

22.6045, 0.3022, 0.3116

Deuteranopia

22.3997, 0.2943, 0.2885



Tritanopia

22.6893, 0.2411, 0.3060

Trichromacy



Original Color

22.7493, 0.2437, 0.3172

Protanomaly

22.2215, 0.2765, 0.3124

Deuteranomaly

22.0195, 0.2719, 0.2966

Tritanomaly

22.5862, 0.2418, 0.3097

Monochromacy



Original Color

22.7493, 0.2437, 0.3172

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.1640, 0.2809, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7493, 0.2437, 0.3172 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(69, 142, 148)` looks like.

```
.text, #text, p{  
    color:rgb(69, 142, 148)  
}
```

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(69, 142, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 142, 148) }
```

Border

The CSS property to change the border of an element to Yxy 22.7493, 0.2437, 0.3172 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(69, 142, 148) }
```

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

```
.border{ border-color:rgb(69, 142, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 142, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 142, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 142, 148);  
box-shadow:4px 4px 4px 4px rgb(69, 142,  
148) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7493, 0.2437, 0.3172$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 142, 148) }
```

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

```
.background{ background-color: rgb(69, 142,  
148) }
```

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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