

Converting Colors

$Y_{xy}(22.9722, 0.2927, 0.4099)$

Have a look what the booklet for
Yxy(22.9722, 0.2927, 0.4099)
contains.

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Color

Yxy(22.9722, 0.2927, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	579068
RGB	87, 144, 104
RGB Percent	34%, 56%, 41%
CMY	0.6587, 0.4353, 0.5921
CMYK	0.40, 0.00, 0.28, 0.44
HSL	138°, 25%, 45%
HSV	138°, 40%, 56%
XYZ	16.4039, 22.9722, 16.6673
YIQ	122.3970, -21.1320, -24.5240

Conversions

Conversions Part 2

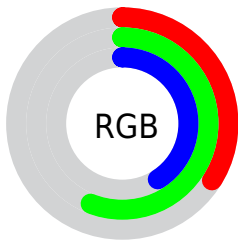
Format	Color
RYB	87, 131, 144
Decimal	5738600
CIELab	55.04, -27.84, 15.50
CIElCh	55, 31.866, 150.892
Yxy	22.9722, 0.2927, 0.4099
Android (android.graphics.Color)	4283928680 (0xFF579068)
YUV	122.3970, -9.0697, -31.0432
Hunter-Lab	47.9293, -22.7843, 12.9326

Details

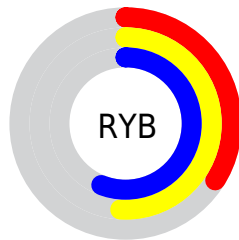
The Yxy color $22.9722, 0.2927, 0.4099$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.2816, 0.3415, 0.2602$, and the grayscale version is $19.6361, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.2437, 0.2979, 0.3910$, and $8.4992, 0.2816, 0.4448$ is the 20% darker color. If you saturate the color by 10%, you get $22.1544, 0.2888, 0.4350$, and if you desaturate by 10%, it is $23.9549, 0.2973, 0.3864$.

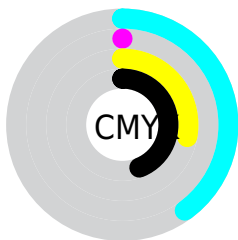
Distribution



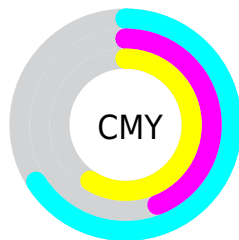
- Red (34%)
- Green (56%)
- Blue (41%)



- Red (34%)
- Yellow (51%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)



- Cyan (66%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9722, 0.2927, 0.4099 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 22.9722, 0.2927, 0.4099 by changing the saturation by 10% instead.


 22.9722, 0.2927,
0.4099


 22.9722, 0.2927,
0.4099


267.5822, 0.3049,
0.3627


 14.5730, 0.2886,
0.4247


 48.3477, 0.2978,
0.3907

 8.5202, 0.2825,
0.4460


 66.0927, 0.2995,
0.3842


 4.4296, 0.2724,
0.4791

 87.7218, 0.3009,
0.3789

 1.9167, 0.2548,
0.5397

 113.6194, 0.3020,
0.3745

 0.5584, 0.0000,
1.0000

 144.1698, 0.3029,
0.3709

 0.0000, 0.0000,
0.0000

179.7575, 0.3037,

0.3677

220.7668, 0.3043,
0.3650

■ 22.9722, 0.2927,
0.4099

■ 22.9722, 0.2927,
0.4099

■ 22.1544, 0.2888,
0.4350

■ 23.9549, 0.2973,
0.3864

■ 21.4893, 0.2859,
0.4611

■ 25.1079, 0.3024,
0.3649

■ 20.9680, 0.2843,
0.4874


■ 26.4400, 0.3076,
0.3455

■ 20.5791, 0.2841,
0.5126


■ 27.9586, 0.3129,
0.3283

■ 20.3095, 0.2855,
0.5358

■ 29.6705, 0.3182,
0.3131

 20.1274, 0.2879,
0.5559

 31.5824, 0.3232,
0.2997

 20.1202, 0.2880,
0.5567

 33.7005, 0.3281,
0.2880

 36.0307, 0.3326,
0.2779

 38.5787, 0.3369,
0.2690

Harmonies

Analogous

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



22.9722, 0.3480, 0.4317



22.9722, 0.2927, 0.4099



22.9722, 0.2454, 0.3590

Triad

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



22.9722, 0.2927, 0.4099



22.9722, 0.2310, 0.2419



22.9722, 0.4183, 0.3405

Complementary

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



22.9722, 0.2927, 0.4099



14.2816, 0.3415, 0.2602

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.



22.9722, 0.3813, 0.2981



22.9722, 0.2927, 0.4099



22.9722, 0.2707, 0.2437

Square

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



22.9722, 0.2927, 0.4099



22.9722, 0.2126, 0.2614



22.9722, 0.3255, 0.2638



22.9722, 0.4232, 0.3839

Rectangle

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



22.9722, 0.2927, 0.4099



22.9722, 0.2241, 0.3205



22.9722, 0.3255, 0.2638



22.9722, 0.4092, 0.3259

Sweetspot

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



22.9732, 0.2927, 0.4099



45.9737, 0.3062, 0.3505



25.2128, 0.3512, 0.4303



10.4805, 0.3056, 0.3527



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.



22.9732, 0.2927, 0.4099



39.2886, 0.2894, 0.4309



23.6300, 0.2694, 0.3527



6.0542, 0.3078, 0.3448



17.5250, 0.2877, 0.5557



0.1711, 0.2653, 0.4751

Inverse Universe

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



14.2816, 0.3415, 0.2602



21.8577, 0.3499, 0.2462



13.6568, 0.3864, 0.3071



5.4840, 0.3180, 0.3137



5.9871, 0.4111, 0.2038



0.0611, 0.3621, 0.1768

Previews

White Background



This preview shows how the Yxy color 22.9722, 0.2927, 0.4099 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 22.9722, 0.2927, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

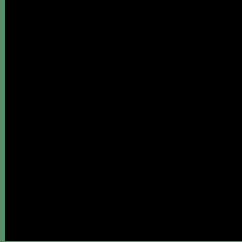
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9722, 0.2927, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 22.9722, 0.2927, 0.4099.



This preview shows how white text looks on a background with the Yxy color 22.9722, 0.2927, 0.4099.

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

22.9722, 0.2927, 0.4099

Protanopia

22.7772, 0.3617, 0.3866

Deuteranopia

22.6798, 0.3661, 0.3592



Tritanopia

22.8883, 0.2622, 0.3086

Trichromacy



Original Color

22.9722, 0.2927, 0.4099

Protanomaly

22.5934, 0.3332, 0.3964

Deuteranomaly

22.4258, 0.3349, 0.3765

Tritanomaly

22.7768, 0.2724, 0.3423

Monochromacy



Original Color

22.9722, 0.2927, 0.4099

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4543, 0.3045, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9722, 0.2927, 0.4099 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, 144, 104)` looks like.

```
.text, #text, p{  
    color:rgb(87, 144, 104)  
}
```

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, 144, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 144, 104) }
```

Border

The CSS property to change the border of an element to Yxy 22.9722, 0.2927, 0.4099 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, 144, 104) }
```

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

```
.border{ border-color:rgb(87, 144, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 144, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 144, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 144, 104);  
box-shadow:4px 4px 4px 4px rgb(87, 144,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9722, 0.2927, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 144, 104) }
```

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

```
.background{ background-color: rgb(87, 144,  
104) }
```

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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