

Converting Colors

$Y_{xy}(22.3301, 0.2719, 0.3466)$

Have a look what the booklet for
Yxy(22.3301, 0.2719, 0.3466)
contains.

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Color

$Y_{xy}(22.2506, 0.2722, 0.3465)$

Conversions

Conversions Part 1

Format	Color
Hex	5A8B82
RGB	90, 139, 130
RGB Percent	35%, 55%, 51%
CMY	0.6469, 0.4549, 0.4903
CMYK	0.35, 0.00, 0.06, 0.45
HSL	169°, 21%, 45%
HSV	169°, 35%, 55%
XYZ	17.4794, 22.2506, 24.4853
YIQ	123.3230, -26.3150, -13.1870

Conversions

Conversions Part 2

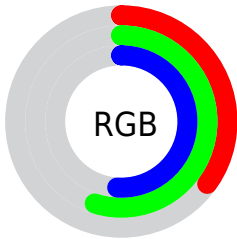
Format	Color
R _Y B	90, 117, 139
Decimal	5933954
CIE Lab	54.29, -18.65, -0.43
CIE LCh	54, 18.651, 181.318
Yxy	22.2506, 0.2722, 0.3465
Android (android.graphics.Color)	4284124034 (0xFF5A8B82)
YUV	123.3230, 3.2918, -29.2243
Hunter-Lab	47.1705, -16.4039, 2.2431

Details

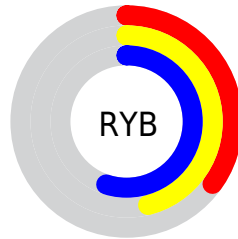
The Yxy color **22.2506, 0.2722, 0.3465** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7085, 0.3776, 0.3126**, and the grayscale version is **19.9171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3096, 0.2810, 0.3429**, and **8.1900, 0.2560, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **21.5503, 0.2629, 0.3523**, and if you desaturate by 10%, it is **23.0848, 0.2827, 0.3410**.

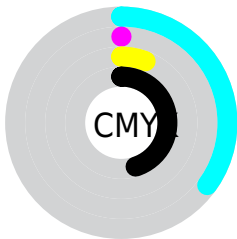
Distribution



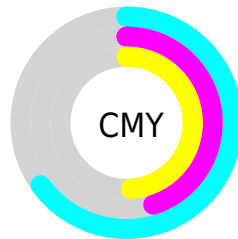
- Red (35%)
- Green (55%)
- Blue (51%)



- Red (35%)
- Yellow (46%)
- Blue (55%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (45%)



- Cyan (65%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2506, 0.2722, 0.3465 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 22.2506, 0.2722, 0.3465 by changing the saturation by 10% instead.

■ 22.2506, 0.2722,
0.3465

■ 22.2506, 0.2722,
0.3465

■ 263.8522, 0.2949,
0.3368

■ 14.0412, 0.2656,
0.3493

■ 47.1598, 0.2811,
0.3427

■ 8.1493, 0.2564,
0.3533

■ 64.6284, 0.2842,
0.3413

■ 4.1906, 0.2427,
0.3590

■ 85.9522, 0.2868,
0.3402

■ 1.7808, 0.2205,
0.3684

■ 111.5155, 0.2889,
0.3393

■ 0.4751, 0.0000,
0.4647

■ 141.7027, 0.2908,
0.3385

■ 0.0000, 0.0000,
0.0000

176.8983, 0.2923,

0.3379

217.4867, 0.2937,
0.3373

■ 22.2506, 0.2722,
0.3465

■ 22.2506, 0.2722,
0.3465

■ 21.5503, 0.2629,
0.3523

■ 23.0848, 0.2827,
0.3410

■ 20.9738, 0.2551,
0.3584

■ 24.0570, 0.2941,
0.3359

■ 20.5141, 0.2489,
0.3647

■ 25.1742, 0.3062,
0.3313

■ 20.1623, 0.2445,
0.3712

■ 26.4423, 0.3187,
0.3270

■ 19.9080, 0.2419,
0.3776

■ 27.8670, 0.3315,
0.3232

■ 19.7369, 0.2411,
0.3841

■ 29.4535, 0.3442,
0.3198

■ 19.6663, 0.2409,
0.3872

■ 31.2067, 0.3568,
0.3168

■ 33.1316, 0.3691,
0.3142

■ 35.2327, 0.3811,
0.3119

Harmonies

Analogous

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



22.2506, 0.3014, 0.3746



22.2506, 0.2722, 0.3465



22.2506, 0.2542, 0.3145

Triad

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



22.2506, 0.2722, 0.3465



22.2506, 0.2884, 0.2761



22.2506, 0.3783, 0.3647

Complementary

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



22.2506, 0.2722, 0.3465



13.7085, 0.3776, 0.3126

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.



22.2506, 0.3749, 0.3383



22.2506, 0.2722, 0.3465



22.2506, 0.3215, 0.2889

Square

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



22.2506, 0.2722, 0.3465



22.2506, 0.2632, 0.2757



22.2506, 0.3537, 0.3111



22.2506, 0.3632, 0.3837

Rectangle

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



22.2506, 0.2722, 0.3465



22.2506, 0.2503, 0.2963



22.2506, 0.3537, 0.3111



22.2506, 0.3793, 0.3564

Sweetspot

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



22.2515, 0.2722, 0.3465



43.8487, 0.2989, 0.3340



21.9032, 0.3183, 0.4272



10.0508, 0.2975, 0.3346



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.2515, 0.2722, 0.3465



38.8635, 0.2649, 0.3509



18.5323, 0.2609, 0.2998



5.6731, 0.3014, 0.3331



17.7522, 0.2408, 0.3869



0.1198, 0.2323, 0.3561

Inverse Universe

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



13.7085, 0.3776, 0.3126



21.2671, 0.3988, 0.3090



16.2743, 0.3834, 0.3562



5.0627, 0.3253, 0.3250



5.0218, 0.6058, 0.3111



0.0350, 0.5147, 0.2609

Previews

White Background



This preview shows how the Yxy color 22.2506, 0.2722, 0.3465 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 22.2506, 0.2722, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

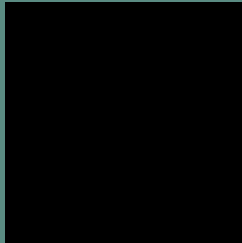
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2506, 0.2722, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 22.2506, 0.2722, 0.3465.



This preview shows how white text looks on a background with the Yxy color 22.2506, 0.2722, 0.3465.

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

22.2506, 0.2722, 0.3465

Protanopia

22.1423, 0.3229, 0.3379

Deuteranopia

21.9361, 0.3218, 0.3153



Tritanopia

22.0946, 0.2608, 0.3083

Trichromacy



Original Color

22.2506, 0.2722, 0.3465

Protanomaly

22.0633, 0.3021, 0.3419

Deuteranomaly

21.7688, 0.3015, 0.3253

Tritanomaly

22.1416, 0.2651, 0.3213

Monochromacy



Original Color

22.2506, 0.2722, 0.3465

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.5864, 0.2954, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2506, 0.2722, 0.3465 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(90, 139, 130)` looks like.

```
.text, #text, p{  
    color:rgb(90, 139, 130)  
}
```

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(90, 139, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 139, 130) }
```

Border

The CSS property to change the border of an element to Yxy 22.2506, 0.2722, 0.3465 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(90, 139, 130) }
```

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

```
.border{ border-color:rgb(90, 139, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 139, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(90, 139, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(90, 139, 130); box-shadow:4px 4px 4px 4px rgb(90, 139, 130) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2506, 0.2722, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 139, 130) }
```

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

```
.background{ background-color: rgb(90, 139,  
130) }
```

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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