

Converting Colors

$Y_{xy}(22.2962, 0.2456, 0.3328)$

Have a look what the booklet for
Yxy(22.2962, 0.2456, 0.3328)
contains.

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Color

Yxy(22.2962, 0.2456, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	3F8E8C
RGB	63, 142, 140
RGB Percent	25%, 56%, 55%
CMY	0.7531, 0.4431, 0.4510
CMYK	0.56, 0.00, 0.01, 0.44
HSL	178°, 39%, 40%
HSV	178°, 56%, 56%
XYZ	16.4542, 22.2962, 28.2454
YIQ	118.1510, -46.4420, -17.3700

Conversions

Conversions Part 2

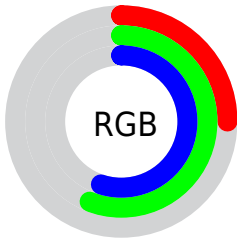
Format	Color
R _{YB}	63, 103, 142
Decimal	4165260
CIE Lab	54.34, -24.52, -6.28
CIE LCh	54, 25.315, 194.359
Yxy	22.2962, 0.2456, 0.3328
Android (android.graphics.Color)	4282355340 (0xFF3F8E8C)
YUV	118.1510, 10.7716, -48.3674
Hunter-Lab	47.2189, -20.4318, -2.4130

Details

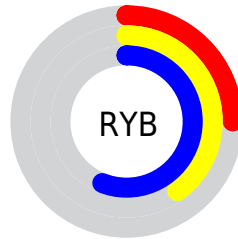
The Yxy color **22.2962, 0.2456, 0.3328** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6834, 0.4675, 0.3260**, and the grayscale version is **18.1402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1817, 0.2601, 0.3331**, and **8.2204, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **21.8780, 0.2384, 0.3336**, and if you desaturate by 10%, it is **22.8368, 0.2546, 0.3320**.

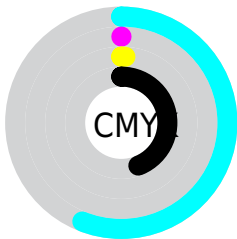
Distribution



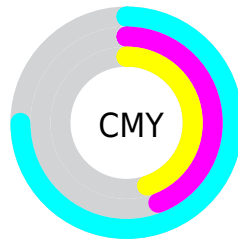
- Red (25%)
- Green (56%)
- Blue (55%)



- Red (25%)
- Yellow (40%)
- Blue (56%)



- Cyan (56%)
- Magenta (0%)
- Yellow (1%)
- Black (44%)




- Cyan (75%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2962, 0.2456, 0.3328 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 22.2962, 0.2456, 0.3328 by changing the saturation by 10% instead.


 22.2962, 0.2456,
0.3328


 22.2962, 0.2456,
0.3328


264.0892, 0.2826,
0.3314

 14.0747, 0.2351,
0.3329


 47.2351, 0.2600,
0.3325


 8.1726, 0.2207,
0.3327


 64.7212, 0.2651,
0.3323

 4.2056, 0.1999,
0.3318

 86.0644, 0.2693,
0.3321

 1.7892, 0.1677,
0.3290

 111.6490, 0.2728,
0.3319

 0.4805, 0.0000,
0.3331

 141.8593, 0.2758,
0.3318

 0.0000, 0.0000,
0.0000

177.0799, 0.2784,

0.3316

217.6951, 0.2807,
0.3315

■ 22.2962, 0.2456,
0.3328

■ 22.2962, 0.2456,
0.3328

■ 21.8780, 0.2384,
0.3336

■ 22.8368, 0.2546,
0.3320

■ 21.5700, 0.2330,
0.3344

■ 23.5056, 0.2651,
0.3313

■ 21.3623, 0.2295,
0.3352

■ 24.3112, 0.2771,
0.3306

■ 21.2390, 0.2275,
0.3360

■ 25.2607, 0.2903,
0.3299

■ 21.1947, 0.2268,
0.3363

■ 26.3607, 0.3044,
0.3293

■ 27.6175, 0.3192,
0.3288

■ 29.0368, 0.3343,
0.3283

■ 30.6243, 0.3496,
0.3278

■ 32.3852, 0.3648,
0.3275

Harmonies

Analogous

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



22.2962, 0.2785, 0.3767



22.2962, 0.2456, 0.3328



22.2962, 0.2305, 0.2917

Triad

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



22.2962, 0.2456, 0.3328



22.2962, 0.2981, 0.2646



22.2962, 0.3951, 0.3889

Complementary

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



22.2962, 0.2456, 0.3328



9.6834, 0.4675, 0.3260

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.



22.2962, 0.4026, 0.3560



22.2962, 0.2456, 0.3328



22.2962, 0.3443, 0.2872

Square

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



22.2962, 0.2456, 0.3328



22.2962, 0.2590, 0.2562



22.2962, 0.3836, 0.3196



22.2962, 0.3650, 0.4089

Rectangle

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



22.2962, 0.2456, 0.3328



22.2962, 0.2314, 0.2719



22.2962, 0.3836, 0.3196



22.2962, 0.4005, 0.3788

Sweetspot

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



22.2971, 0.2456, 0.3328



44.2387, 0.2880, 0.3300



20.8509, 0.3068, 0.5002



9.8145, 0.2857, 0.3301



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.



22.2971, 0.2456, 0.3328



38.4086, 0.2368, 0.3338



13.1360, 0.2279, 0.2496



6.1140, 0.2994, 0.3295



19.0279, 0.2268, 0.3363



0.1824, 0.2256, 0.3322

Inverse Universe

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



9.6834, 0.4675, 0.3260



13.8017, 0.5252, 0.3260



15.1953, 0.4305, 0.3942



5.4262, 0.3278, 0.3285



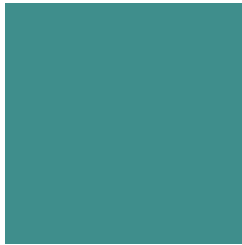
5.1709, 0.6362, 0.3278



0.0498, 0.6178, 0.3177

Previews

White Background



This preview shows how the Yxy color 22.2962, 0.2456, 0.3328 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 22.2962, 0.2456, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

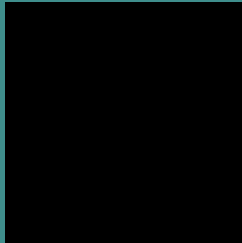
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2962, 0.2456, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 22.2962, 0.2456, 0.3328.

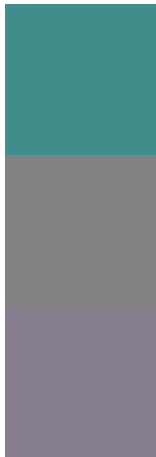


This preview shows how white text looks on a background with the Yxy color 22.2962, 0.2456, 0.3328.

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

22.2962, 0.2456, 0.3328

Protanopia

22.1918, 0.3118, 0.3237

Deuteranopia

22.0862, 0.3037, 0.2983



Tritanopia

22.2165, 0.2389, 0.3058

Trichromacy



Original Color

22.2962, 0.2456, 0.3328

Protanomaly

21.8636, 0.2818, 0.3270

Deuteranomaly

21.7369, 0.2772, 0.3087

Tritanomaly

22.3461, 0.2415, 0.3152

Monochromacy



Original Color

22.2962, 0.2456, 0.3328

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.2818, 0.2813, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2962, 0.2456, 0.3328 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(63, 142, 140)` looks like.

```
.text, #text, p{  
    color:rgb(63, 142, 140)  
}
```

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(63, 142, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 142, 140) }
```

Border

The CSS property to change the border of an element to Yxy 22.2962, 0.2456, 0.3328 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(63, 142, 140) }
```

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

```
.border{ border-color:rgb(63, 142, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 142, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 142, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 142, 140);  
box-shadow:4px 4px 4px 4px rgb(63, 142,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2962, 0.2456, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 142, 140) }
```

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

```
.background{ background-color: rgb(63, 142,  
140) }
```

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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