

Converting Colors

$Y_{xy}(32.2513, 0.2627, 0.3132)$

Have a look what the booklet for
Yxy(32.2513, 0.2627, 0.3132)
contains.

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Color

Yxy(32.2640, 0.2622, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	70A2AC
RGB	112, 162, 172
RGB Percent	44%, 64%, 67%
CMY	0.5610, 0.3647, 0.3254
CMYK	0.35, 0.06, 0.00, 0.33
HSL	190°, 27%, 56%
HSV	190°, 35%, 67%
XYZ	27.0448, 32.2640, 43.8370
YIQ	148.1900, -33.0100, -7.4900

Conversions

Conversions Part 2

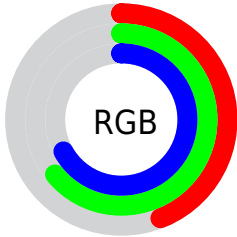
Format	Color
R _{YB}	112, 139, 172
Decimal	7381676
CIE Lab	63.56, -14.07, -10.51
CIE LCh	64, 17.558, 216.757
Yxy	32.2640, 0.2622, 0.3128
Android (android.graphics.Color)	4285571756 (0xFF70A2AC)
YUV	148.1900, 11.7383, -31.7386
Hunter-Lab	56.8014, -14.4134, -5.9966

Details

The Yxy color **32.2640, 0.2622, 0.3128** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.8479, 0.3884, 0.3444**, and the grayscale version is **29.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2788, 0.2724, 0.3169**, and **13.4686, 0.2456, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **30.2456, 0.2497, 0.3074**, and if you desaturate by 10%, it is **34.5234, 0.2758, 0.3179**.

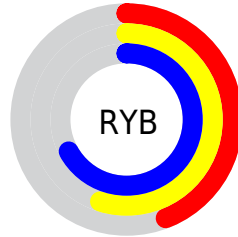
Distribution



Red (44%)

Green (64%)

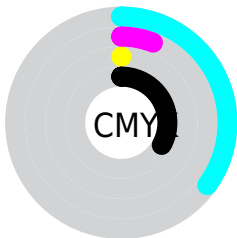
Blue (67%)



Red (44%)

Yellow (55%)

Blue (67%)

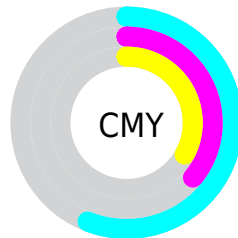


Cyan (35%)

Magenta (6%)

Yellow (0%)

Black (33%)



Cyan (56%)


Magenta (36%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2640, 0.2622, 0.3128 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 32.2640, 0.2622, 0.3128 by changing the saturation by 10% instead.


 32.2640, 0.2622,
0.3128


 32.2640, 0.2622,
0.3128


 312.3201, 0.2886,
0.3218


 21.5632, 0.2553,
0.3102


 63.2247, 0.2720,
0.3163

 13.5363, 0.2461,
0.3066


 84.2535, 0.2757,
0.3176


 7.7989, 0.2336,
0.3015


 109.4937, 0.2787,
0.3186

 3.9665, 0.2154,
0.2935

 139.3297, 0.2813,
0.3195

 1.6549, 0.1869,
0.2793

 174.1460, 0.2835,
0.3202

 0.3942, 0.0195,
0.2459

 214.3268, 0.2854,

 0.0000, 0.0000,

0.3208

0.0000

260.2568, 0.2871,
0.3214

■ 32.2640, 0.2622,
0.3128

■ 32.2640, 0.2622,
0.3128

■ 30.2456, 0.2497,
0.3074

■ 34.5234, 0.2758,
0.3179

■ 28.4519, 0.2385,
0.3018

■ 37.0316, 0.2903,
0.3226

■ 26.8706, 0.2290,
0.2960

■ 39.8004, 0.3053,
0.3270

■ 25.4862, 0.2213,
0.2901

■ 42.8400, 0.3205,
0.3310

■ 24.2811, 0.2155,
0.2842

■ 46.1597, 0.3357,
0.3345

■ 23.2336, 0.2115,
0.2783

■ 49.7686, 0.3507,
0.3377

■ 22.7357, 0.2098,
0.2753

■ 53.6752, 0.3653,
0.3405

■ 57.8877, 0.3795,
0.3430

■ 60.1145, 0.3832,
0.3458

Harmonies

Analogous

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



32.2640, 0.2754, 0.3388



32.2640, 0.2622, 0.3128



32.2640, 0.2619, 0.2929

Triad

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



32.2640, 0.2622, 0.3128



32.2640, 0.3254, 0.2982



32.2640, 0.3512, 0.3763

Complementary

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



32.2640, 0.2622, 0.3128



23.8479, 0.3884, 0.3444

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.



32.2640, 0.3660, 0.3627



32.2640, 0.2622, 0.3128



32.2640, 0.3509, 0.3181

Square

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



32.2640, 0.2622, 0.3128



32.2640, 0.2973, 0.2857



32.2640, 0.3660, 0.3413



32.2640, 0.3264, 0.3770

Rectangle

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



32.2640, 0.2622, 0.3128



32.2640, 0.2689, 0.2854



32.2640, 0.3660, 0.3413



32.2640, 0.3576, 0.3730

Sweetspot

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



32.2653, 0.2622, 0.3128



69.4901, 0.2973, 0.3248



34.3304, 0.3012, 0.4156



14.9550, 0.2953, 0.3242



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.2653, 0.2622, 0.3128



55.6191, 0.2523, 0.3086



23.1882, 0.2557, 0.2634



8.8417, 0.2986, 0.3251



16.9854, 0.2100, 0.2759



0.5318, 0.2149, 0.2936

Inverse Universe

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



22.9587, 0.3282, 0.2569



36.5060, 0.3326, 0.2412



32.0708, 0.3738, 0.3867



8.1248, 0.3162, 0.3103



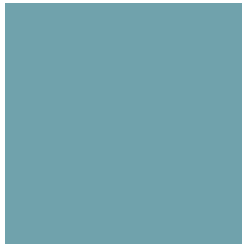
8.0177, 0.3672, 0.1797



0.2290, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 32.2640, 0.2622, 0.3128 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.2640, 0.2622, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

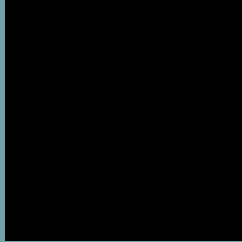
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

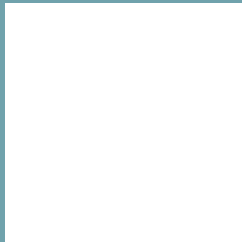
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2640, 0.2622, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 32.2640, 0.2622, 0.3128.

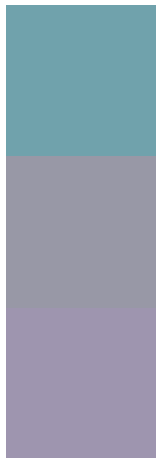


This preview shows how white text looks on a background with the Yxy color 32.2640, 0.2622, 0.3128.

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

32.2640, 0.2622, 0.3128

Protanopia

31.8850, 0.3000, 0.3080

Deuteranopia

31.8591, 0.2978, 0.2911



Tritanopia

32.4465, 0.2609, 0.3082

Trichromacy



Original Color

32.2640, 0.2622, 0.3128

Protanomaly

31.9225, 0.2846, 0.3103

Deuteranomaly

31.8299, 0.2831, 0.2986

Tritanomaly

32.4074, 0.2616, 0.3097

Monochromacy



Original Color

32.2640, 0.2622, 0.3128

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3677, 0.2918, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2640, 0.2622, 0.3128 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(112, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(112, 162, 172)  
}
```

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(112, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 162, 172) }
```

Border

The CSS property to change the border of an element to Yxy 32.2640, 0.2622, 0.3128 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(112, 162, 172) }
```

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

```
.border{ border-color:rgb(112, 162, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 162, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(112, 162,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2640, 0.2622, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 162, 172) }
```

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

```
.background{ background-color: rgb(112,  
162, 172) }
```

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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