

Converting Colors

$Yxy(30.4815, 0.2778, 0.3357)$

Have a look what the booklet for
Yxy(30.4815, 0.2778, 0.3357)
contains.

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Color

Yxy(30.4998, 0.2779, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	749E9A
RGB	116, 158, 154
RGB Percent	45%, 62%, 60%
CMY	0.5453, 0.3803, 0.3961
CMYK	0.27, 0.00, 0.03, 0.38
HSL	174°, 18%, 54%
HSV	174°, 27%, 62%
XYZ	25.2559, 30.4998, 35.1257
YIQ	144.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

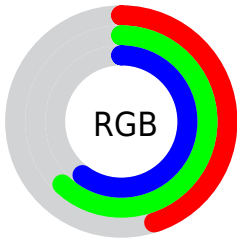
Format	Color
RYB	116, 138, 158
Decimal	7642778
CIELab	62.08, -15.12, -2.54
CIELCh	62, 15.328, 189.544
Yxy	30.4998, 0.2779, 0.3356
Android (android.graphics.Color)	4285832858 (0xFF749E9A)
YUV	144.9860, 4.4439, -25.4207
Hunter-Lab	55.2266, -15.0159, 0.9486

Details

The Yxy color **30.4998, 0.2779, 0.3356** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.1035, 0.3628, 0.3226**, and the grayscale version is **28.2942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5776, 0.2851, 0.3351**, and **12.6529, 0.2664, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **29.4594, 0.2666, 0.3384**, and if you desaturate by 10%, it is **31.7275, 0.2903, 0.3330**.

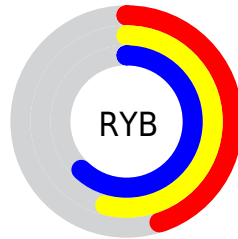
Distribution



Red (45%)

Green (62%)

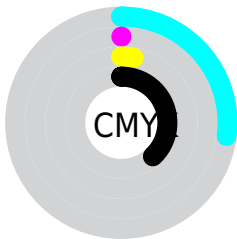
Blue (60%)



Red (45%)

Yellow (54%)

Blue (62%)

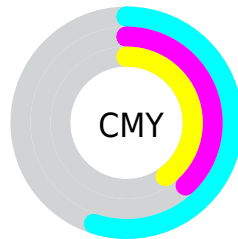


Cyan (27%)

Magenta (0%)

Yellow (3%)

Black (38%)



Cyan (55%)

Magenta (38%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4998, 0.2779, 0.3356 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 30.4998, 0.2779, 0.3356 by changing the saturation by 10% instead.

■ 30.4998, 0.2779,
0.3356

■ 30.4998, 0.2779,
0.3356

304.2272, 0.2964,
0.3322

■ 20.2183, 0.2729,
0.3365

■ 60.4517, 0.2849,
0.3344

■ 12.5538, 0.2662,
0.3376

■ 80.8908, 0.2875,
0.3339

■ 7.1220, 0.2568,
0.3391

■ 105.4846, 0.2896,
0.3335

■ 3.5385, 0.2426,
0.3411

134.6175, 0.2914,
0.3332

■ 1.4189, 0.2192,
0.3441

168.6738, 0.2929,
0.3329

■ 0.2306, 0.0000,
0.3497

208.0379, 0.2942,

■ 0.0000, 0.0000,

0.3326

0.0000

253.0942, 0.2954,
0.3324

■ 30.4998, 0.2779,
0.3356

■ 30.4998, 0.2779,
0.3356

■ 29.4594, 0.2666,
0.3384

■ 31.7275, 0.2903,
0.3330

■ 28.5931, 0.2567,
0.3414

■ 33.1475, 0.3036,
0.3305

■ 27.8923, 0.2484,
0.3445

■ 34.7690, 0.3174,
0.3283

■ 27.3455, 0.2419,
0.3477

■ 36.5997, 0.3316,
0.3263

■ 26.9404, 0.2372,
0.3509

■ 38.6470, 0.3459,
0.3245

■ 26.6623, 0.2344,
0.3541

■ 40.9176, 0.3601,
0.3229

■ 26.4896, 0.2332,
0.3573

■ 43.4181, 0.3741,
0.3215

■ 26.4397, 0.2329,
0.3584

■ 46.1550, 0.3877,
0.3203

■ 48.5305, 0.3979,
0.3192

Harmonies

Analogous

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



30.4998, 0.2981, 0.3574



30.4998, 0.2779, 0.3356



30.4998, 0.2671, 0.3128

Triad

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



30.4998, 0.2779, 0.3356



30.4998, 0.3013, 0.2909



30.4998, 0.3594, 0.3606

Complementary

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



30.4998, 0.2779, 0.3356



21.1035, 0.3628, 0.3226

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.



30.4998, 0.3607, 0.3421



30.4998, 0.2779, 0.3356



30.4998, 0.3263, 0.3029

Square

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



30.4998, 0.2779, 0.3356



30.4998, 0.2801, 0.2881



30.4998, 0.3484, 0.3213



30.4998, 0.3453, 0.3716

Rectangle

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



30.4998, 0.2779, 0.3356



30.4998, 0.2663, 0.3005



30.4998, 0.3484, 0.3213



30.4998, 0.3614, 0.3551

Sweetspot

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



30.5010, 0.2779, 0.3356



59.7648, 0.3015, 0.3309



29.7224, 0.3132, 0.4022



13.3868, 0.2996, 0.3312



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.5010, 0.2779, 0.3356



54.2041, 0.2710, 0.3373



25.2831, 0.2721, 0.3002



7.4986, 0.3000, 0.3311



21.1741, 0.2328, 0.3581



0.3815, 0.2293, 0.3453

Inverse Universe

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



21.1035, 0.3628, 0.3226



34.1891, 0.3785, 0.3211



25.2430, 0.3613, 0.3561



6.6559, 0.3270, 0.3269



5.8525, 0.6262, 0.3224



0.1073, 0.5692, 0.2909

Previews

White Background



This preview shows how the Yxy color 30.4998, 0.2779, 0.3356 looks on a white background.

Color Contrast Check

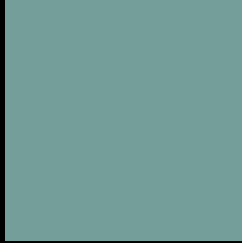
Large Text (above 18pt) WCAG AA × Fail

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 30.4998, 0.2779, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

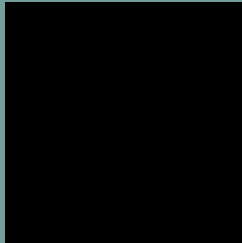
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4998, 0.2779, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 30.4998, 0.2779, 0.3356.

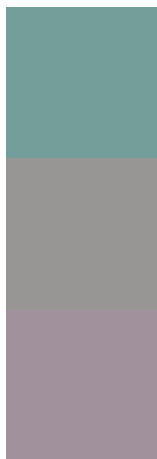


This preview shows how white text looks on a background with the Yxy color 30.4998, 0.2779, 0.3356.

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

30.4998, 0.2779, 0.3356

Protanopia

30.3402, 0.3158, 0.3290

Deuteranopia

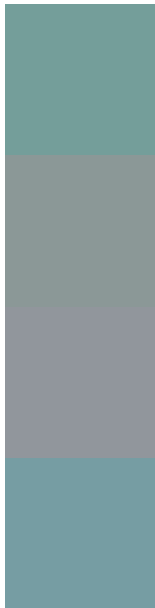
30.2622, 0.3177, 0.3111



Tritanopia

30.5260, 0.2693, 0.3095

Trichromacy



Original Color

30.4998, 0.2779, 0.3356

Protanomaly

30.1798, 0.3008, 0.3306

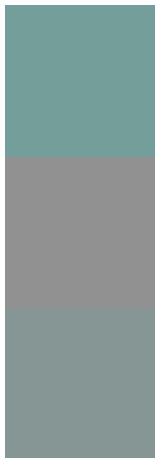
Deuteranomaly

30.2327, 0.3022, 0.3196

Tritanomaly

30.6098, 0.2725, 0.3191

Monochromacy



Original Color

30.4998, 0.2779, 0.3356

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.0191, 0.2986, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4998, 0.2779, 0.3356 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(116, 158, 154)` looks like.

```
.text, #text, p{  
    color:rgb(116, 158, 154)  
}
```

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(116, 158, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 158, 154) }
```

Border

The CSS property to change the border of an element to Yxy 30.4998, 0.2779, 0.3356 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(116, 158, 154) }
```

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

```
.border{ border-color:rgb(116, 158, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 158, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 158, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 158, 154); box-shadow:4px 4px 4px 4px rgb(116, 158, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4998, 0.2779, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 158, 154) }
```

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

```
.background{ background-color: rgb(116,  
158, 154) }
```

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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