

Converting Colors

$Y_{xy}(32.2577, 0.2844, 0.3994)$

Have a look what the booklet for
Yxy(32.2577, 0.2844, 0.3994)
contains.

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Color

Yxy(32.1604, 0.2849, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	62A880
RGB	98, 168, 128
RGB Percent	38%, 66%, 50%
CMY	0.6154, 0.3412, 0.4980
CMYK	0.42, 0.00, 0.24, 0.34
HSL	146°, 29%, 52%
HSV	146°, 42%, 66%
XYZ	22.9407, 32.1604, 25.4207
YIQ	142.5100, -28.8800, -27.2800

Conversions

Conversions Part 2

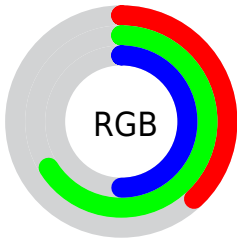
Format	Color
RYB	98, 147, 168
Decimal	6465664
CIELab	63.48, -31.26, 13.87
CIELCh	63, 34.197, 156.063
Yxy	32.1604, 0.2849, 0.3994
Android (android.graphics.Color)	4284655744 (0xFF62A880)
YUV	142.5100, -7.1534, -39.0353
Hunter-Lab	56.7101, -27.0351, 13.1199

Details

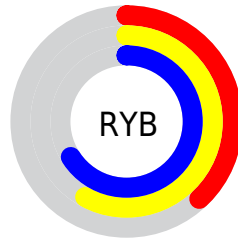
The Yxy color **32.1604, 0.2849, 0.3994** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9074, 0.3567, 0.2685**, and the grayscale version is **27.3064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3229, 0.2911, 0.3845**, and **13.3839, 0.2735, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **31.0814, 0.2800, 0.4202**, and if you desaturate by 10%, it is **33.4621, 0.2908, 0.3799**.

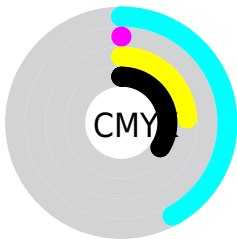
Distribution



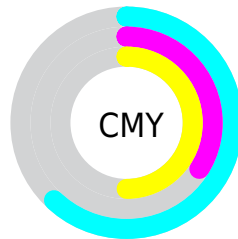
- Red (38%)
- Green (66%)
- Blue (50%)



- Red (38%)
- Yellow (58%)
- Blue (66%)



- Cyan (42%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)





- Cyan (62%)
- Magenta (34%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1604, 0.2849, 0.3994 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 32.1604, 0.2849, 0.3994 by changing the saturation by 10% instead.


 32.1604, 0.2849,
0.3994

 32.1604, 0.2849,
0.3994


311.8493, 0.3004,
0.3604


 21.4840, 0.2804,
0.4106


 63.0625, 0.2910,
0.3842

 13.4783, 0.2741,
0.4260


 84.0570, 0.2931,
0.3788

 7.7587, 0.2649,
0.4484


 109.2596, 0.2949,
0.3744

 3.9409, 0.2502,
0.4839

 139.0548, 0.2964,
0.3707

 1.6406, 0.2220,
0.5562

173.8270, 0.2976,
0.3675

 0.3847, 0.0000,
1.0000

213.9606, 0.2987,

 0.0000, 0.0000,

0.3648

0.0000

259.8399, 0.2996,
0.3625

■ 32.1604, 0.2849,
0.3994

■ 32.1604, 0.2849,
0.3994

■ 31.0814, 0.2800,
0.4202

■ 33.4621, 0.2908,
0.3799

■ 30.2082, 0.2765,
0.4420

■ 34.9946, 0.2974,
0.3620

■ 29.5276, 0.2745,
0.4641


■ 36.7702, 0.3044,
0.3458

■ 29.0233, 0.2744,
0.4859

■ 38.7991, 0.3115,
0.3312

■ 28.6757, 0.2762,
0.5066

■ 41.0913, 0.3187,
0.3183

 28.4700, 0.2786,
0.5228

 43.6557, 0.3258,
0.3069

 46.5012, 0.3327,
0.2969

 49.6362, 0.3392,
0.2882

 53.0686, 0.3455,
0.2806

Harmonies

Analogous

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



32.1604, 0.3378, 0.4262



32.1604, 0.2849, 0.3994



32.1604, 0.2419, 0.3482

Triad

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



32.1604, 0.2849, 0.3994



32.1604, 0.2393, 0.2440



32.1604, 0.4172, 0.3478

Complementary

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



32.1604, 0.2849, 0.3994



18.9074, 0.3567, 0.2685

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.



32.1604, 0.3864, 0.3060



32.1604, 0.2849, 0.3994



32.1604, 0.2808, 0.2489

Square

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



32.1604, 0.2849, 0.3994



32.1604, 0.2177, 0.2593



32.1604, 0.3348, 0.2711



32.1604, 0.4164, 0.3889

Rectangle

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



32.1604, 0.2849, 0.3994



32.1604, 0.2237, 0.3120



32.1604, 0.3348, 0.2711



32.1604, 0.4102, 0.3335

Sweetspot

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



32.1617, 0.2849, 0.3994



66.5268, 0.3039, 0.3467



34.3626, 0.3441, 0.4406



14.4091, 0.3031, 0.3486



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.1617, 0.2849, 0.3994



56.5328, 0.2803, 0.4187



33.2177, 0.2607, 0.3385



8.4591, 0.3060, 0.3422



21.5109, 0.2781, 0.5210



0.5337, 0.2593, 0.4536

Inverse Universe

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



18.9074, 0.3567, 0.2685



29.1753, 0.3709, 0.2557



18.0681, 0.4079, 0.3202



7.6115, 0.3200, 0.3162



6.9358, 0.4626, 0.2322



0.1787, 0.4046, 0.2002

Previews

White Background



This preview shows how the Yxy color 32.1604, 0.2849, 0.3994 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 32.1604, 0.2849, 0.3994 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 32.1604, 0.2849, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 32.1604, 0.2849, 0.3994.



This preview shows how white text looks on a background with the Yxy color 32.1604, 0.2849, 0.3994.

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

32.1604, 0.2849, 0.3994

Protanopia

31.9495, 0.3541, 0.3778

Deuteranopia

31.6473, 0.3580, 0.3510



Tritanopia

32.1870, 0.2580, 0.3080

Trichromacy



Original Color

32.1604, 0.2849, 0.3994

Protanomaly

31.3979, 0.3247, 0.3846

Deuteranomaly

31.2844, 0.3270, 0.3673

Tritanomaly

32.0228, 0.2675, 0.3389

Monochromacy



Original Color

32.1604, 0.2849, 0.3994

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.8035, 0.3008, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1604, 0.2849, 0.3994 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(98, 168, 128)` looks like.

```
.text, #text, p{  
    color:rgb(98, 168, 128)  
}
```

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(98, 168, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 168, 128) }
```

Border

The CSS property to change the border of an element to Yxy 32.1604, 0.2849, 0.3994 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(98, 168, 128) }
```

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

```
.border{ border-color:rgb(98, 168, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 168, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 168, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 168, 128);  
box-shadow:4px 4px 4px 4px rgb(98, 168,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1604, 0.2849, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 168, 128) }
```

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

```
.background{ background-color: rgb(98, 168,  
128) }
```

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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