

Converting Colors

$Y_{xy}(20.7980, 0.2669, 0.3660)$

Have a look what the booklet for
Yxy(20.7980, 0.2669, 0.3660)
contains.

Yxy(20.7032, 0.2668, 0.3643)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.7032, 0.2668, 0.3643)$

Conversions

Conversions Part 1

Format	Color
Hex	4A8978
RGB	74, 137, 120
RGB Percent	29%, 54%, 47%
CMY	0.7096, 0.4628, 0.5294
CMYK	0.46, 0.00, 0.12, 0.46
HSL	164°, 30%, 41%
HSV	164°, 46%, 54%
XYZ	15.1623, 20.7032, 20.9646
YIQ	116.2250, -32.0910, -18.6430

Conversions

Conversions Part 2

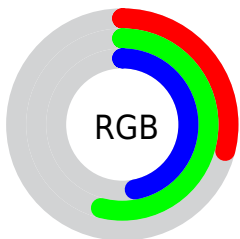
Format	Color
RYB	74, 110, 137
Decimal	4884856
CIELab	52.62, -24.62, 2.83
CIELCh	53, 24.779, 173.449
Yxy	20.7032, 0.2668, 0.3643
Android (android.graphics.Color)	4283074936 (0xFF4A8978)
YUV	116.2250, 1.8611, -37.0313
Hunter-Lab	45.5008, -20.1446, 4.5325

Details

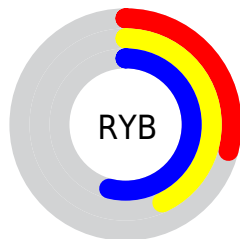
The Yxy color **20.7032, 0.2668, 0.3643** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9783, 0.3973, 0.2976**, and the grayscale version is **17.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6758, 0.2770, 0.3569**, and **7.4227, 0.2476, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **20.1297, 0.2598, 0.3735**, and if you desaturate by 10%, it is **21.4003, 0.2752, 0.3555**.

Distribution



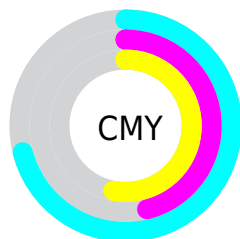
- Red (29%)
- Green (54%)
- Blue (47%)



- Red (29%)
- Yellow (43%)
- Blue (54%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)



- Cyan (71%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7032, 0.2668, 0.3643 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 20.7032, 0.2668, 0.3643 by changing the saturation by 10% instead.

■ 20.7032, 0.2668,
0.3643

■ 20.7032, 0.2668,
0.3643

■ 255.6969, 0.2929,
0.3440

■ 12.9072, 0.2589,
0.3705

■ 44.5931, 0.2772,
0.3561

■ 7.3647, 0.2479,
0.3794

■ 61.4557, 0.2808,
0.3533

■ 3.6912, 0.2312,
0.3931

■ 82.1094, 0.2838,
0.3511

■ 1.5024, 0.2020,
0.4173

■ 106.9385, 0.2862,
0.3492

■ 0.2904, 0.0000,
0.7101

■ 136.3274, 0.2883,
0.3476

■ 0.0000, 0.0000,
0.0000

170.6605, 0.2900,

0.3462

210.3222, 0.2916,
0.3450

■ 20.7032, 0.2668,
0.3643

■ 20.7032, 0.2668,
0.3643

■ 20.1297, 0.2598,
0.3735

■ 21.4003, 0.2752,
0.3555

■ 19.6695, 0.2544,
0.3831

■ 22.2256, 0.2847,
0.3473

■ 19.3147, 0.2507,
0.3929


■ 23.1864, 0.2951,
0.3398

■ 19.0552, 0.2490,
0.4028

■ 24.2890, 0.3060,
0.3328

■ 18.8754, 0.2489,
0.4126


■ 25.5389, 0.3173,
0.3265

 18.8103, 0.2491,
0.4166

 26.9417, 0.3287,
0.3209

 28.5024, 0.3401,
0.3159

 30.2259, 0.3514,
0.3115

 32.1170, 0.3623,
0.3076

Harmonies

Analogous

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



20.7032, 0.3083, 0.3998



20.7032, 0.2668, 0.3643



20.7032, 0.2387, 0.3193

Triad

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



20.7032, 0.2668, 0.3643



20.7032, 0.2694, 0.2568



20.7032, 0.4034, 0.3668

Complementary

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



20.7032, 0.2668, 0.3643



10.9783, 0.3973, 0.2976

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.



20.7032, 0.3923, 0.3305



20.7032, 0.2668, 0.3643



20.7032, 0.3119, 0.2699

Square

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



20.7032, 0.2668, 0.3643



20.7032, 0.2403, 0.2602



20.7032, 0.3578, 0.2961



20.7032, 0.3883, 0.3970

Rectangle

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



20.7032, 0.2668, 0.3643



20.7032, 0.2304, 0.2926



20.7032, 0.3578, 0.2961



20.7032, 0.4027, 0.3549

Sweetspot

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



20.7040, 0.2668, 0.3643



41.8312, 0.2968, 0.3386



20.6547, 0.3245, 0.4596



9.3037, 0.2948, 0.3399



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.7040, 0.2668, 0.3643



36.0263, 0.2596, 0.3738



17.5187, 0.2483, 0.3006



5.6659, 0.3025, 0.3350



17.5249, 0.2490, 0.4163



0.1189, 0.2364, 0.3709

Inverse Universe

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



10.9783, 0.3973, 0.2976



16.3674, 0.4277, 0.2915



12.7414, 0.4182, 0.3548



5.0693, 0.3241, 0.3231



5.0803, 0.5799, 0.2968



0.0359, 0.4758, 0.2395

Previews

White Background



This preview shows how the Yxy color 20.7032, 0.2668, 0.3643 looks on a white background.

Color Contrast Check

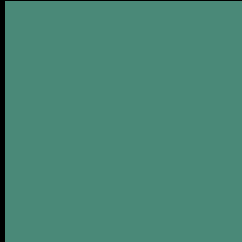
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7032, 0.2668, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

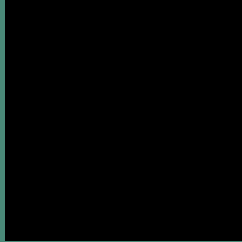
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7032, 0.2668, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 20.7032, 0.2668, 0.3643.



This preview shows how white text looks on a background with the Yxy color 20.7032, 0.2668, 0.3643.

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

20.7032, 0.2668, 0.3643

Protanopia

20.6053, 0.3326, 0.3510

Deuteranopia

20.5081, 0.3317, 0.3255



Tritanopia

20.8131, 0.2520, 0.3094

Trichromacy



Original Color

20.7032, 0.2668, 0.3643

Protanomaly

20.2765, 0.3046, 0.3543

Deuteranomaly

20.2287, 0.3041, 0.3385

Tritanomaly

20.6969, 0.2571, 0.3288

Monochromacy



Original Color

20.7032, 0.2668, 0.3643

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.4664, 0.2933, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7032, 0.2668, 0.3643 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(74, 137, 120)` looks like.

```
.text, #text, p{  
    color:rgb(74, 137, 120)  
}
```

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(74, 137, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 137, 120) }
```

Border

The CSS property to change the border of an element to Yxy 20.7032, 0.2668, 0.3643 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(74, 137, 120) }
```

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

```
.border{ border-color:rgb(74, 137, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 137, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 137, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 137, 120);  
box-shadow:4px 4px 4px 4px rgb(74, 137,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7032, 0.2668, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 137, 120) }
```

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

```
.background{ background-color: rgb(74, 137,  
120) }
```

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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