

Converting Colors

$Yxy(30.7665, 0.2549, 0.3742)$

Have a look what the booklet for
Yxy(30.7665, 0.2549, 0.3742)
contains.

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Color

Yxy(30.7487, 0.2551, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	42A78E
RGB	66, 167, 142
RGB Percent	26%, 65%, 56%
CMY	0.7410, 0.3451, 0.4431
CMYK	0.60, 0.00, 0.15, 0.35
HSL	165°, 43%, 46%
HSV	165°, 60%, 65%
XYZ	20.9508, 30.7487, 30.4284
YIQ	133.9510, -52.1710, -29.1870

Conversions

Conversions Part 2

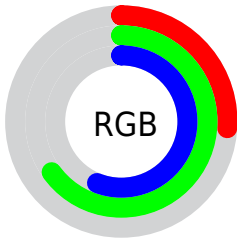
Format	Color
RYB	66, 124, 167
Decimal	4368270
CIELab	62.29, -35.44, 4.23
CIELCh	62, 35.695, 173.190
Yxy	30.7487, 0.2551, 0.3744
Android (android.graphics.Color)	4282558350 (0xFF42A78E)
YUV	133.9510, 3.9682, -59.5930
Hunter-Lab	55.4515, -29.5988, 6.2813

Details

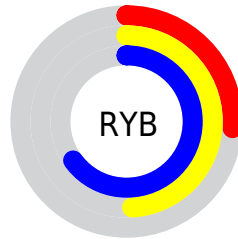
The Yxy color **30.7487, 0.2551, 0.3744** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.8722, 0.4495, 0.2926**, and the grayscale version is **23.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0460, 0.2669, 0.3648**, and **12.8073, 0.2414, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **30.1299, 0.2504, 0.3834**, and if you desaturate by 10%, it is **31.5439, 0.2616, 0.3657**.

Distribution



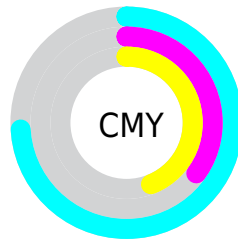
- Red (26%)
- Green (65%)
- Blue (56%)



- Red (26%)
- Yellow (49%)
- Blue (65%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (35%)



- Cyan (74%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7487, 0.2551, 0.3744 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 30.7487, 0.2551, 0.3744 by changing the saturation by 10% instead.

 30.7487, 0.2551,
0.3744

 30.7487, 0.2551,
0.3744


305.3789, 0.2860,
0.3497


 20.4076, 0.2467,
0.3813


 60.8442, 0.2669,
0.3649

 12.6917, 0.2353,
0.3907


 81.3674, 0.2711,
0.3615


 7.2166, 0.2195,
0.4042


 106.0533, 0.2746,
0.3587

 3.5979, 0.1956,
0.4250

 135.2865, 0.2776,
0.3563

 1.4513, 0.1390,
0.4707

 169.4512, 0.2802,
0.3543

 0.2541, 0.0000,
1.0000

208.9319, 0.2824,

 0.0000, 0.0000,

0.3525

0.0000

254.1130, 0.2843,
0.3510

■ 30.7487, 0.2551,
0.3744

■ 30.7487, 0.2551,
0.3744

■ 30.1299, 0.2504,
0.3834

■ 31.5439, 0.2616,
0.3657

■ 29.6685, 0.2476,
0.3925

■ 32.5254, 0.2696,
0.3573

■ 29.3479, 0.2468,
0.4016

■ 33.7063, 0.2790,
0.3495

■ 29.1347, 0.2473,
0.4102

■ 35.0978, 0.2894,
0.3421

■ 36.7100, 0.3005,
0.3354

■ 38.5527, 0.3122,
0.3293

■ 40.6347, 0.3241,
0.3238

■ 42.9646, 0.3361,
0.3188

■ 45.5505, 0.3479,
0.3145

Harmonies

Analogous

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



30.7487, 0.3065, 0.4205



30.7487, 0.2551, 0.3744



30.7487, 0.2210, 0.3160

Triad

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



30.7487, 0.2551, 0.3744



30.7487, 0.2579, 0.2401



30.7487, 0.4270, 0.3737

Complementary

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



30.7487, 0.2551, 0.3744



12.8722, 0.4495, 0.2926

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.



30.7487, 0.4132, 0.3291



30.7487, 0.2551, 0.3744



30.7487, 0.3106, 0.2560

Square

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



30.7487, 0.2551, 0.3744



30.7487, 0.2229, 0.2435



30.7487, 0.3688, 0.2876



30.7487, 0.4072, 0.4127

Rectangle

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



30.7487, 0.2551, 0.3744



30.7487, 0.2110, 0.2824



30.7487, 0.3688, 0.2876



30.7487, 0.4263, 0.3589

Sweetspot

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



30.7499, 0.2551, 0.3744



63.4403, 0.2917, 0.3406



30.2690, 0.3223, 0.5095



14.0255, 0.2886, 0.3426



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.



30.7499, 0.2551, 0.3744



53.6104, 0.2491, 0.3869



23.2239, 0.2296, 0.2828



8.4999, 0.3019, 0.3346



22.3029, 0.2470, 0.4093



0.5500, 0.2388, 0.3795

Inverse Universe

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



12.8722, 0.4495, 0.2926



18.6682, 0.5017, 0.2903



16.1393, 0.4700, 0.3667



7.5716, 0.3248, 0.3234



6.4176, 0.5897, 0.3022



0.1640, 0.5006, 0.2532

Previews

White Background



This preview shows how the Yxy color 30.7487, 0.2551, 0.3744 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 30.7487, 0.2551, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

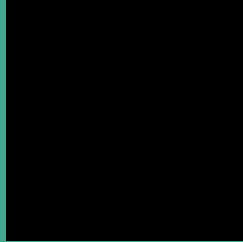
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7487, 0.2551, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 30.7487, 0.2551, 0.3744.



This preview shows how white text looks on a background with the Yxy color 30.7487, 0.2551, 0.3744.

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

30.7487, 0.2551, 0.3744

Protanopia

30.2563, 0.3357, 0.3540

Deuteranopia

30.3567, 0.3320, 0.3261



Tritanopia

30.5981, 0.2396, 0.3069

Trichromacy



Original Color

30.7487, 0.2551, 0.3744



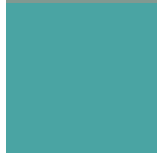
Protanomaly

29.7655, 0.2987, 0.3629



Deuteranomaly

29.4939, 0.2965, 0.3422



Tritanomaly

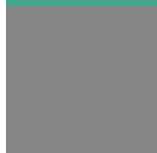
30.6511, 0.2449, 0.3305

Monochromacy



Original Color

30.7487, 0.2551, 0.3744



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

25.6151, 0.2843, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7487, 0.2551, 0.3744 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(66, 167, 142)` looks like.

```
.text, #text, p{  
    color:rgb(66, 167, 142)  
}
```

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(66, 167, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 167, 142) }
```

Border

The CSS property to change the border of an element to Yxy 30.7487, 0.2551, 0.3744 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(66, 167, 142) }
```

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

```
.border{ border-color:rgb(66, 167, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 167, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 167, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 167, 142);  
box-shadow:4px 4px 4px 4px rgb(66, 167,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7487, 0.2551, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 167, 142) }
```

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

```
.background{ background-color: rgb(66, 167,  
142) }
```

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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