

Converting Colors

$Y_{xy}(30.1829, 0.2575, 0.3616)$

Have a look what the booklet for
Yxy(30.1829, 0.2575, 0.3616)
contains.

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Color

Yxy(30.2040, 0.2574, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	4DA492
RGB	77, 164, 146
RGB Percent	30%, 64%, 57%
CMY	0.6981, 0.3568, 0.4274
CMYK	0.53, 0.00, 0.11, 0.36
HSL	168°, 36%, 47%
HSV	168°, 53%, 64%
XYZ	21.5241, 30.2040, 31.8931
YIQ	135.9350, -46.0740, -24.0420

Conversions

Conversions Part 2

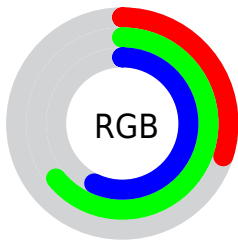
Format	Color
RYB	77, 126, 164
Decimal	5088402
CIELab	61.83, -30.71, 1.37
CIELCh	62, 30.738, 177.454
Yxy	30.2040, 0.2574, 0.3612
Android (android.graphics.Color)	4283278482 (0xFF4DA492)
YUV	135.9350, 4.9620, -51.6860
Hunter-Lab	54.9582, -26.2681, 4.0637

Details

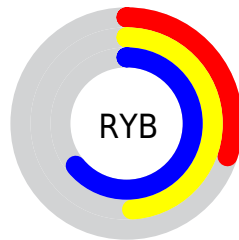
The Yxy color **30.2040, 0.2574, 0.3612** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0253, 0.4305, 0.3014**, and the grayscale version is **24.5888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8197, 0.2687, 0.3539**, and **12.4780, 0.2384, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **29.5029, 0.2511, 0.3684**, and if you desaturate by 10%, it is **31.0826, 0.2654, 0.3542**.

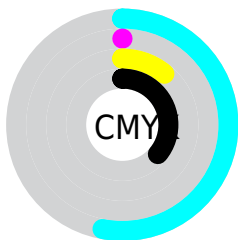
Distribution



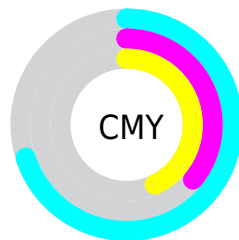
- Red (30%)
- Green (64%)
- Blue (57%)



- Red (30%)
- Yellow (49%)
- Blue (64%)



- Cyan (53%)
- Magenta (0%)
- Yellow (11%)
- Black (36%)





- Cyan (70%)
- Magenta (36%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2040, 0.2574, 0.3612 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 30.2040, 0.2574, 0.3612 by changing the saturation by 10% instead.


 30.2040, 0.2574,
0.3612


 30.2040, 0.2574,
0.3612


302.8542, 0.2870,
0.3439

 19.9935, 0.2493,
0.3660


 59.9846, 0.2686,
0.3546

 12.3903, 0.2386,
0.3724


 80.3236, 0.2727,
0.3522

 7.0101, 0.2235,
0.3815


 104.8074, 0.2761,
0.3502

 3.4684, 0.2009,
0.3952

 133.8205, 0.2789,
0.3486

 1.3809, 0.1521,
0.4243

 167.7474, 0.2814,
0.3471

 0.2026, 0.0000,
0.6182

206.9724, 0.2835,

 0.0000, 0.0000,

0.3459

0.0000

251.8798, 0.2853,
0.3448

■ 30.2040, 0.2574,
0.3612

■ 30.2040, 0.2574,
0.3612

■ 29.5029, 0.2511,
0.3684

■ 31.0826, 0.2654,
0.3542

■ 28.9626, 0.2465,
0.3758

■ 32.1469, 0.2748,
0.3476

■ 28.5690, 0.2439,
0.3833

■ 33.4089, 0.2854,
0.3414

■ 28.3041, 0.2432,
0.3907

■ 34.8787, 0.2969,
0.3357

■ 28.1663, 0.2433,
0.3959

■ 36.5655, 0.3089,
0.3305

■ 38.4780, 0.3214,
0.3258

■ 40.6245, 0.3340,
0.3215

■ 43.0127, 0.3465,
0.3178

■ 45.6502, 0.3589,
0.3145

Harmonies

Analogous

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



30.2040, 0.3011, 0.4031



30.2040, 0.2574, 0.3612



30.2040, 0.2297, 0.3117

Triad

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



30.2040, 0.2574, 0.3612



30.2040, 0.2708, 0.2517



30.2040, 0.4112, 0.3745

Complementary

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



30.2040, 0.2574, 0.3612



14.0253, 0.4305, 0.3014

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.



30.2040, 0.4032, 0.3355



30.2040, 0.2574, 0.3612



30.2040, 0.3184, 0.2680

Square

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



30.2040, 0.2574, 0.3612



30.2040, 0.2371, 0.2526



30.2040, 0.3680, 0.2978



30.2040, 0.3909, 0.4063

Rectangle

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



30.2040, 0.2574, 0.3612



30.2040, 0.2227, 0.2839



30.2040, 0.3680, 0.2978



30.2040, 0.4119, 0.3618

Sweetspot

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



30.2052, 0.2574, 0.3612



62.3996, 0.2931, 0.3375



29.5662, 0.3200, 0.4872



13.5276, 0.2908, 0.3386



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.2052, 0.2574, 0.3612



53.3157, 0.2499, 0.3700



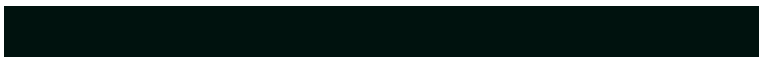
22.8246, 0.2369, 0.2839



7.9860, 0.3014, 0.3337



21.6025, 0.2431, 0.3951



0.4599, 0.2357, 0.3684

Inverse Universe

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



14.0253, 0.4305, 0.3014



20.6791, 0.4756, 0.2978



17.8615, 0.4399, 0.3678



7.1088, 0.3254, 0.3244



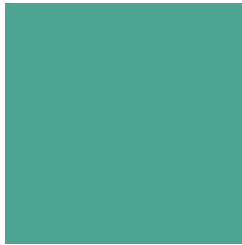
6.1456, 0.6015, 0.3087



0.1352, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 30.2040, 0.2574, 0.3612 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 30.2040, 0.2574, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

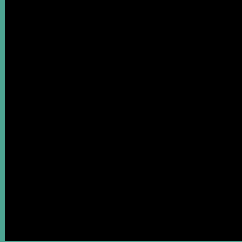
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2040, 0.2574, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 30.2040, 0.2574, 0.3612.



This preview shows how white text looks on a background with the Yxy color 30.2040, 0.2574, 0.3612.

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

30.2040, 0.2574, 0.3612

Protanopia

29.8560, 0.3298, 0.3463

Deuteranopia

29.8299, 0.3259, 0.3200



Tritanopia

30.1372, 0.2440, 0.3070

Trichromacy



Original Color

30.2040, 0.2574, 0.3612

Protanomaly

29.4403, 0.2981, 0.3525

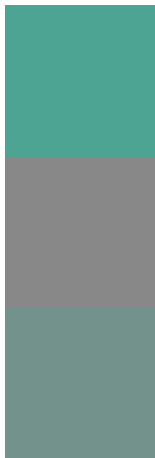
Deuteranomaly

29.1284, 0.2949, 0.3322

Tritanomaly

29.9731, 0.2488, 0.3254

Monochromacy



Original Color

30.2040, 0.2574, 0.3612

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.0961, 0.2873, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2040, 0.2574, 0.3612 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(77, 164, 146)` looks like.

```
.text, #text, p{  
    color:rgb(77, 164, 146)  
}
```

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(77, 164, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 164, 146) }
```

Border

The CSS property to change the border of an element to Yxy 30.2040, 0.2574, 0.3612 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(77, 164, 146) }
```

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

```
.border{ border-color:rgb(77, 164, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 164, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 164, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 164, 146);  
box-shadow:4px 4px 4px 4px rgb(77, 164,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2040, 0.2574, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 164, 146) }
```

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

```
.background{ background-color: rgb(77, 164,  
146) }
```

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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