

Converting Colors

$Yxy(30.8454, 0.2705, 0.4695)$

Have a look what the booklet for
Yxy(30.8454, 0.2705, 0.4695)
contains.

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Color

Yxy(30.7825, 0.2706, 0.4693)

Conversions

Conversions Part 1

Format	Color
Hex	23AC64
RGB	35, 172, 100
RGB Percent	14%, 67%, 39%
CMY	0.8622, 0.3255, 0.6079
CMYK	0.80, 0.00, 0.42, 0.33
HSL	148°, 66%, 41%
HSV	148°, 80%, 67%
XYZ	17.7493, 30.7825, 17.0606
YIQ	122.8290, -58.5400, -51.4360

Conversions

Conversions Part 2

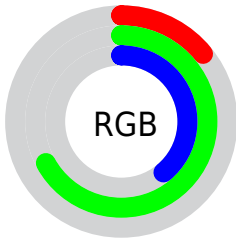
Format	Color
RYB	35, 128, 172
Decimal	2337892
CIELab	62.32, -51.81, 27.22
CIELCh	62, 58.524, 152.284
Yxy	30.7825, 0.2706, 0.4693
Android (android.graphics.Color)	4280527972 (0xFF23AC64)
YUV	122.8290, -11.2547, -77.0260
Hunter-Lab	55.4820, -39.9893, 20.6059

Details

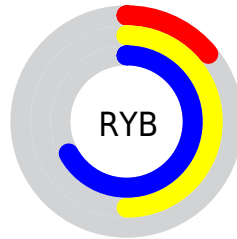
The Yxy color **30.7825, 0.2706, 0.4693** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.0460, 0.4376, 0.2384**, and the grayscale version is **19.8147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6374, 0.2806, 0.4363**, and **13.2048, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **30.3863, 0.2718, 0.4891**, and if you desaturate by 10%, it is **31.3483, 0.2714, 0.4489**.

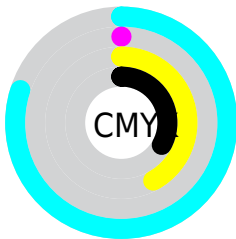
Distribution



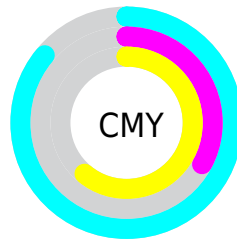
- Red (14%)
- Green (67%)
- Blue (39%)



- Red (14%)
- Yellow (50%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)





- Cyan (86%)
- Magenta (33%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7825, 0.2706, 0.4693 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 30.7825, 0.2706, 0.4693 by changing the saturation by 10% instead.


 30.7825, 0.2706,
0.4693


 30.7825, 0.2706,
0.4693


 305.5350, 0.2960,
0.3889


 20.4333, 0.2624,
0.4934


 60.8975, 0.2811,
0.4373

 12.7104, 0.2506,
0.5269


 81.4320, 0.2846,
0.4261

 7.2294, 0.2322,
0.5762


 106.1305, 0.2874,
0.4170

 3.6060, 0.2014,
0.6554

 135.3772, 0.2898,
0.4095

 1.4557, 0.0215,
0.9785

 169.5567, 0.2917,
0.4031

 0.2572, 0.0000,
1.0000

 209.0532, 0.2933,

 0.0000, 0.0000,

0.3977

0.0000

254.2512, 0.2948,
0.3930

■ 30.7825, 0.2706,
0.4693

■ 30.7825, 0.2706,
0.4693

■ 30.3863, 0.2718,
0.4891

■ 31.3483, 0.2714,
0.4489

■ 30.1162, 0.2745,
0.5078

■ 32.0994, 0.2740,
0.4285

■ 30.1054, 0.2746,
0.5086

■ 33.0540, 0.2782,
0.4087

■ 34.2269, 0.2838,
0.3898

■ 35.6313, 0.2903,
0.3723

■ 37.2797, 0.2976,
0.3561

■ 39.1833, 0.3052,
0.3415

■ 41.3529, 0.3131,
0.3285

■ 43.7985, 0.3209,
0.3169

Harmonies

Analogous

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



30.7825, 0.3574, 0.5032



30.7825, 0.2706, 0.4693



30.7825, 0.2002, 0.3727

Triad

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



30.7825, 0.2706, 0.4693



30.7825, 0.1875, 0.1933



30.7825, 0.4895, 0.3417

Complementary

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



30.7825, 0.2706, 0.4693



11.0460, 0.4376, 0.2384

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.



30.7825, 0.4301, 0.2803



30.7825, 0.2706, 0.4693



30.7825, 0.2471, 0.1993

Square

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



30.7825, 0.2706, 0.4693



30.7825, 0.1598, 0.2163



30.7825, 0.3355, 0.2300



30.7825, 0.4887, 0.4074

Rectangle

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



30.7825, 0.2706, 0.4693



30.7825, 0.1714, 0.3048



30.7825, 0.3355, 0.2300



30.7825, 0.4759, 0.3205

Sweetspot

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



30.7837, 0.2706, 0.4693



66.1218, 0.2940, 0.3638



32.8227, 0.3491, 0.5390



14.1510, 0.2915, 0.3694



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.7837, 0.2706, 0.4693



54.7743, 0.2737, 0.5025



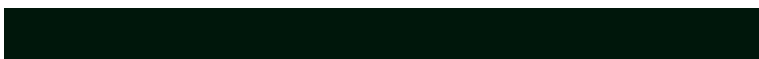
32.6699, 0.2315, 0.3367



9.0002, 0.3054, 0.3412



22.4152, 0.2741, 0.5067



0.6347, 0.2579, 0.4483

Inverse Universe

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



11.0460, 0.4376, 0.2384



17.5955, 0.4763, 0.2423



10.1324, 0.5783, 0.3256



8.0831, 0.3207, 0.3171



7.0937, 0.4817, 0.2427



0.2083, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 30.7825, 0.2706, 0.4693 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 30.7825, 0.2706, 0.4693 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 30.7825, 0.2706, 0.4693

Background



This preview shows how black text looks on a background with the Yxy color 30.7825, 0.2706, 0.4693.



This preview shows how white text looks on a background with the Yxy color 30.7825, 0.2706, 0.4693.

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

30.7825, 0.2706, 0.4693

Protanopia

30.3546, 0.3846, 0.4185

Deuteranopia

30.1714, 0.3898, 0.3814



Tritanopia

30.6686, 0.2354, 0.3068

Trichromacy



Original Color

30.7825, 0.2706, 0.4693



Protanomaly

29.0438, 0.3286, 0.4422



Deuteranomaly

28.5463, 0.3302, 0.4160



Tritanomaly

30.3101, 0.2473, 0.3616

Monochromacy



Original Color

30.7825, 0.2706, 0.4693



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.5117, 0.2864, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7825, 0.2706, 0.4693 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(35, 172, 100)` looks like.

```
.text, #text, p{  
    color:rgb(35, 172, 100)  
}
```

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(35, 172, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 172, 100) }
```

Border

The CSS property to change the border of an element to Yxy 30.7825, 0.2706, 0.4693 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(35, 172, 100) }
```

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

```
.border{ border-color:rgb(35, 172, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 172, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 172, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 172, 100);  
box-shadow:4px 4px 4px 4px rgb(35, 172,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7825, 0.2706, 0.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 172, 100) }
```

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

```
.background{ background-color: rgb(35, 172,  
100) }
```

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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