

Converting Colors

$Y_{xy}(23.2464, 0.2705, 0.4611)$

Have a look what the booklet for
Yxy(23.2464, 0.2705, 0.4611)
contains.

Yxy(23.2287, 0.2706, 0.4620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.2287, 0.2706, 0.4620)

Conversions

Conversions Part 1

Format	Color
Hex	23975A
RGB	35, 151, 90
RGB Percent	14%, 59%, 35%
CMY	0.8628, 0.4078, 0.6470
CMYK	0.77, 0.00, 0.40, 0.41
HSL	148°, 62%, 36%
HSV	148°, 77%, 59%
XYZ	13.6054, 23.2287, 13.4445
YIQ	109.3620, -49.5550, -43.5630

Conversions

Conversions Part 2

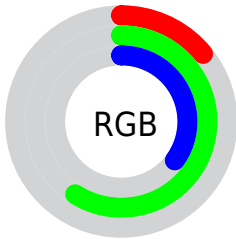
Format	Color
RYB	35, 114, 151
Decimal	2332506
CIELab	55.31, -45.80, 23.35
CIELCh	55, 51.414, 152.987
Yxy	23.2287, 0.2706, 0.4620
Android (android.graphics.Color)	4280522586 (0xFF23975A)
YUV	109.3620, -9.5455, -65.2155
Hunter-Lab	48.1962, -33.9542, 17.1982

Details

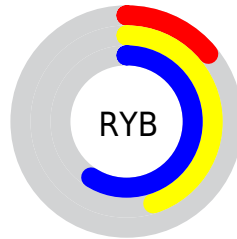
The Yxy color **23.2287, 0.2706, 0.4620** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6241, 0.4298, 0.2395**, and the grayscale version is **15.4386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6624, 0.2812, 0.4288**, and **9.0981, 0.2755, 0.5117** is the 20% darker color. If you saturate the color by 10%, you get **22.8921, 0.2711, 0.4818**, and if you desaturate by 10%, it is **23.6953, 0.2720, 0.4418**.

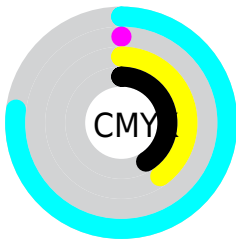
Distribution



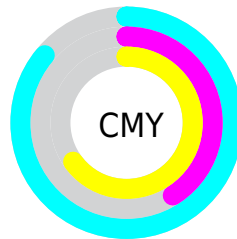
- Red (14%)
- Green (59%)
- Blue (35%)



- Red (14%)
- Yellow (45%)
- Blue (59%)



- Cyan (77%)
- Magenta (0%)
- Yellow (40%)
- Black (41%)




- Cyan (86%)
- Magenta (41%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2287, 0.2706, 0.4620 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 23.2287, 0.2706, 0.4620 by changing the saturation by 10% instead.


 23.2287, 0.2706,
0.4620


 23.2287, 0.2706,
0.4620


268.8975, 0.2966,
0.3829


 14.7625, 0.2617,
0.4874


 48.7686, 0.2816,
0.4295


 8.6529, 0.2483,
0.5241


 66.6110, 0.2853,
0.4185


 4.5155, 0.2264,
0.5814

 88.3476, 0.2881,
0.4096

 1.9659, 0.1844,
0.7360

 114.3629, 0.2905,
0.4024

 0.5875, 0.0000,
1.0000

 145.0411, 0.2924,
0.3963

 0.0000, 0.0000,
0.0000

 180.7666, 0.2941,

0.3912

221.9240, 0.2954,
0.3867

■ 23.2287, 0.2706,
0.4620

■ 23.2287, 0.2706,
0.4620

■ 22.8921, 0.2711,
0.4818

■ 23.6953, 0.2720,
0.4418

■ 22.6614, 0.2733,
0.5007

■ 24.3025, 0.2752,
0.4218

■ 22.5973, 0.2740,
0.5066

■ 25.0629, 0.2798,
0.4024

■ 25.9868, 0.2857,
0.3842

■ 27.0838, 0.2924,
0.3672

■ 28.3625, 0.2997,
0.3517

■ 29.8311, 0.3074,
0.3377

■ 31.4971, 0.3152,
0.3252

■ 33.3678, 0.3229,
0.3141

Harmonies

Analogous

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



23.2287, 0.3548, 0.4971



23.2287, 0.2706, 0.4620



23.2287, 0.2026, 0.3689

Triad

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



23.2287, 0.2706, 0.4620



23.2287, 0.1921, 0.1969



23.2287, 0.4842, 0.3435

Complementary

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



23.2287, 0.2706, 0.4620



8.6241, 0.4298, 0.2395

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.



23.2287, 0.4280, 0.2833



23.2287, 0.2706, 0.4620



23.2287, 0.2510, 0.2033

Square

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



23.2287, 0.2706, 0.4620



23.2287, 0.1643, 0.2190



23.2287, 0.3372, 0.2338



23.2287, 0.4827, 0.4077

Rectangle

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



23.2287, 0.2706, 0.4620



23.2287, 0.1749, 0.3040



23.2287, 0.3372, 0.2338



23.2287, 0.4714, 0.3227

Sweetspot

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



23.2296, 0.2706, 0.4620



49.2376, 0.2948, 0.3618



24.7889, 0.3495, 0.5321



11.0247, 0.2924, 0.3672



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.2296, 0.2706, 0.4620



40.6932, 0.2725, 0.4952



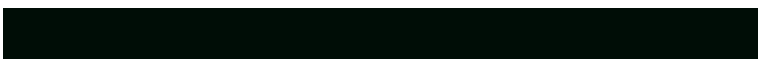
24.6019, 0.2329, 0.3363



6.9719, 0.3055, 0.3409



19.2291, 0.2737, 0.5054



0.2948, 0.2520, 0.4271

Inverse Universe

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



8.6241, 0.4298, 0.2395



13.2847, 0.4680, 0.2402



7.9259, 0.5634, 0.3253



6.2742, 0.3206, 0.3174



6.0877, 0.4807, 0.2422



0.0984, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 23.2287, 0.2706, 0.4620 looks on a white background.

Color Contrast Check

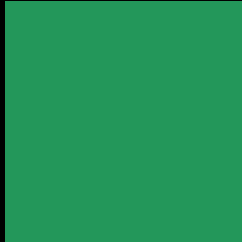
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2287, 0.2706, 0.4620 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 23.2287, 0.2706, 0.4620

Background



This preview shows how black text looks on a background with the Yxy color 23.2287, 0.2706, 0.4620.



This preview shows how white text looks on a background with the Yxy color 23.2287, 0.2706, 0.4620.

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

23.2287, 0.2706, 0.4620

Protanopia

22.9514, 0.3812, 0.4146

Deuteranopia

22.8342, 0.3857, 0.3783



Tritanopia

23.0682, 0.2360, 0.3060

Trichromacy



Original Color

23.2287, 0.2706, 0.4620



Protanomaly

22.0642, 0.3275, 0.4358



Deuteranomaly

21.5808, 0.3290, 0.4088



Tritanomaly

22.9533, 0.2481, 0.3594

Monochromacy



Original Color

23.2287, 0.2706, 0.4620



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.1685, 0.2879, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2287, 0.2706, 0.4620 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, 151, 90)` looks like.

```
.text, #text, p{  
    color:rgb(35, 151, 90)  
}
```

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, 151, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 151, 90) }
```

Border

The CSS property to change the border of an element to Yxy 23.2287, 0.2706, 0.4620 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, 151, 90) }
```

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

```
.border{ border-color:rgb(35, 151, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 151, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 151, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 151, 90);  
box-shadow:4px 4px 4px 4px rgb(35, 151,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2287, 0.2706, 0.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 151, 90) }
```

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

```
.background{ background-color: rgb(35, 151,  
90) }
```

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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