

Converting Colors

$Y_{xy}(23.7510, 0.3030, 0.5368)$

Have a look what the booklet for
Yxy(23.7510, 0.3030, 0.5368)
contains.

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Color

Yxy(23.7605, 0.3030, 0.5362)

Conversions

Conversions Part 1

Format	Color
Hex	349934
RGB	52, 153, 52
RGB Percent	20%, 60%, 20%
CMY	0.7961, 0.4000, 0.7961
CMYK	0.66, 0.00, 0.66, 0.40
HSL	120°, 49%, 40%
HSV	120°, 66%, 60%
XYZ	13.4268, 23.7605, 7.1255
YIQ	111.2870, -27.7750, -52.8230

Conversions

Conversions Part 2

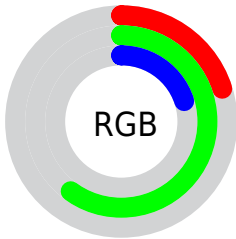
Format	Color
RYB	52, 153, 153
Decimal	3447092
CIELab	55.85, -49.28, 43.28
CIELCh	56, 65.588, 138.711
Yxy	23.7605, 0.3030, 0.5362
Android (android.graphics.Color)	4281637172 (0xFF349934)
YUV	111.2870, -29.2285, -51.9947
Hunter-Lab	48.7447, -36.1354, 25.4543

Details

The Yxy color **23.7605, 0.3030, 0.5362** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.5268, 0.3195, 0.1831**, and the grayscale version is **16.0765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4705, 0.3102, 0.4862**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.3031, 0.3017, 0.5637**, and if you desaturate by 10%, it is **24.3962, 0.3045, 0.5037**.

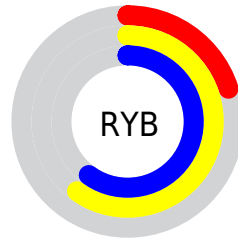
Distribution



Red (20%)

Green (60%)

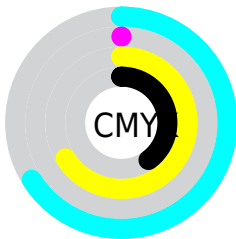
Blue (20%)



Red (20%)

Yellow (60%)

Blue (60%)

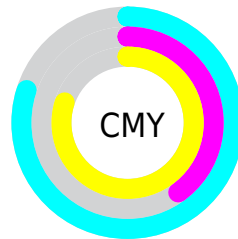


Cyan (66%)

Magenta (0%)

Yellow (66%)

Black (40%)



Cyan (80%)


Magenta (40%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7605, 0.3030, 0.5362 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 23.7605, 0.3030, 0.5362 by changing the saturation by 10% instead.


 23.7605, 0.3030,
0.5362


 23.7605, 0.3030,
0.5362


271.6074, 0.3153,
0.4133


 15.1561, 0.2953,
0.5737


 49.6391, 0.3103,
0.4864

 8.9290, 0.2814,
0.6252


 67.6820, 0.3121,
0.4693


 4.6949, 0.2636,
0.7225

 89.6399, 0.3132,
0.4554

 2.0694, 0.1833,
0.8167

 115.8971, 0.3140,
0.4440

 0.6473, 0.0000,
1.0000

 146.8381, 0.3145,
0.4344

 0.0000, 0.0000,
0.0000

 182.8472, 0.3149,

0.4263

224.3088, 0.3151,
0.4193

■ 23.7605, 0.3030,
0.5362

■ 23.7605, 0.3030,
0.5362

■ 23.3031, 0.3017,
0.5637

■ 24.3962, 0.3045,
0.5037

■ 23.0031, 0.3008,
0.5839

■ 25.2225, 0.3062,
0.4689

■ 22.8364, 0.3002,
0.5960

■ 26.2542, 0.3078,
0.4341

■ 22.7838, 0.3000,
0.6000

■ 27.5037, 0.3093,
0.4010

■ 28.9825, 0.3108,
0.3707

■ 30.7013, 0.3120,
0.3437

■ 32.6701, 0.3131,
0.3200

■ 34.8983, 0.3141,
0.2994

■ 37.3949, 0.3149,
0.2817

Harmonies

Analogous

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



23.7605, 0.4041, 0.5251



23.7605, 0.3030, 0.5362



23.7605, 0.2095, 0.4431

Triad

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



23.7605, 0.3030, 0.5362



23.7605, 0.1480, 0.1768



23.7605, 0.5034, 0.3060

Complementary

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



23.7605, 0.3030, 0.5362



11.5268, 0.3195, 0.1831

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.



23.7605, 0.4046, 0.2417



23.7605, 0.3030, 0.5362



23.7605, 0.1981, 0.1711

Square

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



23.7605, 0.3030, 0.5362



23.7605, 0.1321, 0.2184



23.7605, 0.2871, 0.1940



23.7605, 0.5320, 0.3781

Rectangle

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



23.7605, 0.3030, 0.5362



23.7605, 0.1653, 0.3518



23.7605, 0.2871, 0.1940



23.7605, 0.4764, 0.2834

Sweetspot

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



23.7615, 0.3030, 0.5362



50.6917, 0.3102, 0.3836



29.2570, 0.4031, 0.4741



11.0447, 0.3098, 0.3914



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.



23.7615, 0.3030, 0.5362



41.4540, 0.3012, 0.5739



24.4494, 0.2715, 0.4383



6.9256, 0.3116, 0.3520



18.8294, 0.3000, 0.6000



0.2815, 0.3000, 0.6000

Inverse Universe

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



11.5268, 0.3195, 0.1831



17.8852, 0.3204, 0.1654



10.2306, 0.4082, 0.2475



6.3236, 0.3137, 0.3071



7.4971, 0.3209, 0.1541



0.1121, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 23.7605, 0.3030, 0.5362 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 23.7605, 0.3030, 0.5362 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 23.7605, 0.3030, 0.5362

Background



This preview shows how black text looks on a background with the Yxy color 23.7605, 0.3030, 0.5362.



This preview shows how white text looks on a background with the Yxy color 23.7605, 0.3030, 0.5362.

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

23.7605, 0.3030, 0.5362

Protanopia

23.3619, 0.4204, 0.4616

Deuteranopia

23.1511, 0.4340, 0.4255



Tritanopia

23.6312, 0.2449, 0.3065

Trichromacy



Original Color

23.7605, 0.3030, 0.5362



Protanomaly

22.5470, 0.3691, 0.4938



Deuteranomaly

22.1248, 0.3758, 0.4687



Tritanomaly

23.4407, 0.2675, 0.3880

Monochromacy



Original Color

23.7605, 0.3030, 0.5362



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

17.8336, 0.3090, 0.4075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7605, 0.3030, 0.5362 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(52, 153, 52)` looks like.

```
.text, #text, p{  
    color:rgb(52, 153, 52)  
}
```

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(52, 153, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 153, 52) }
```

Border

The CSS property to change the border of an element to Yxy 23.7605, 0.3030, 0.5362 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(52, 153, 52) }
```

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

```
.border{ border-color:rgb(52, 153, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 153, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 153, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 153, 52);  
box-shadow:4px 4px 4px 4px rgb(52, 153,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7605, 0.3030, 0.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 153, 52) }
```

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

```
.background{ background-color: rgb(52, 153,  
52) }
```

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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