

Converting Colors

$Y_{xy}(24.6762, 0.3355, 0.5478)$

Have a look what the booklet for
Yxy(24.6762, 0.3355, 0.5478)
contains.

Yxy(24.6752, 0.3355, 0.5477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6752, 0.3355, 0.5477)

Conversions

Conversions Part 1

Format	Color
Hex	52991F
RGB	82, 153, 31
RGB Percent	32%, 60%, 12%
CMY	0.6786, 0.4000, 0.8784
CMYK	0.46, 0.00, 0.80, 0.40
HSL	95°, 66%, 36%
HSV	95°, 80%, 60%
XYZ	15.1151, 24.6752, 5.2621
YIQ	117.8630, -3.1540, -52.9940

Conversions

Conversions Part 2

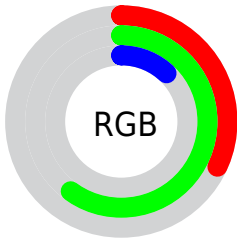
Format	Color
R_{YB}	31, 153, 102
Decimal	5413151
CIE _{Lab}	56.76, -42.72, 52.59
CIE _{LCh}	57, 67.758, 129.085
Yxy	24.6752, 0.3355, 0.5477
Android (android.graphics.Color)	4283603231 (0xFF52991F)
YUV	117.8630, -42.8235, -31.4519
Hunter-Lab	49.6741, -32.6149, 28.4911

Details

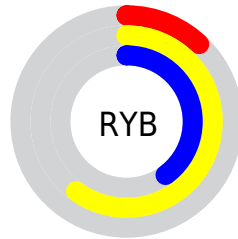
The Yxy color **24.6752, 0.3355, 0.5477** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1084, 0.2416, 0.1258**, and the grayscale version is **18.2059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1869, 0.3378, 0.4981**, and **9.4561, 0.3096, 0.5924** is the 20% darker color. If you saturate the color by 10%, you get **24.2402, 0.3320, 0.5653**, and if you desaturate by 10%, it is **25.2025, 0.3372, 0.5248**.

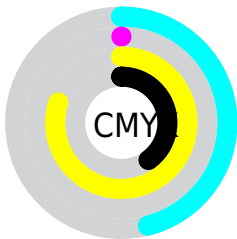
Distribution



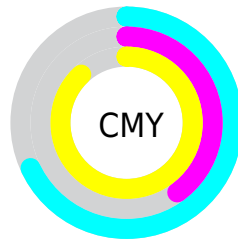
- Red (32%)
- Green (60%)
- Blue (12%)



- Red (12%)
- Yellow (60%)
- Blue (40%)



- Cyan (46%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)




- Cyan (68%)
- Magenta (40%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6752, 0.3355, 0.5477 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 24.6752, 0.3355, 0.5477 by changing the saturation by 10% instead.


 24.6752, 0.3355,
0.5477


 24.6752, 0.3355,
0.5477


276.2165, 0.3320,
0.4217


 15.8352, 0.3309,
0.5830


 51.1298, 0.3375,
0.4984


 9.4076, 0.3204,
0.6292


 69.5132, 0.3371,
0.4809


 5.0080, 0.3011,
0.6989

 91.8466, 0.3364,
0.4664

 2.2520, 0.2424,
0.7576

 118.5143, 0.3355,
0.4544

 0.7481, 0.0000,
1.0000

 149.9008, 0.3346,
0.4443

 0.0000, 0.0000,
0.0000

 186.3904, 0.3337,

0.4357

228.3675, 0.3328,
0.4282

■ 24.6752, 0.3355,
0.5477

■ 24.6752, 0.3355,
0.5477

■ 24.2402, 0.3320,
0.5653

■ 25.2025, 0.3372,
0.5248

■ 23.8809, 0.3273,
0.5781

■ 25.8256, 0.3370,
0.4979

■ 23.8722, 0.3271,
0.5785

■ 26.5514, 0.3352,
0.4685

■ 27.3853, 0.3320,
0.4382

■ 28.3322, 0.3278,
0.4082

■ 29.3966, 0.3230,
0.3796

■ 30.5828, 0.3179,
0.3529

■ 31.8949, 0.3126,
0.3284

■ 33.3367, 0.3074,
0.3062

Harmonies

Analogous

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



24.6752, 0.4354, 0.5084



24.6752, 0.3355, 0.5477



24.6752, 0.2351, 0.4864

Triad

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



24.6752, 0.3355, 0.5477



24.6752, 0.1369, 0.1833



24.6752, 0.4808, 0.2832

Complementary

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



24.6752, 0.3355, 0.5477



6.1084, 0.2416, 0.1258

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.



24.6752, 0.3668, 0.2223



24.6752, 0.3355, 0.5477



24.6752, 0.1759, 0.1673

Square

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



24.6752, 0.3355, 0.5477



24.6752, 0.1314, 0.2397



24.6752, 0.2532, 0.1816



24.6752, 0.5356, 0.3539

Rectangle

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



24.6752, 0.3355, 0.5477



24.6752, 0.1818, 0.3970



24.6752, 0.2532, 0.1816



24.6752, 0.4467, 0.2613

Sweetspot

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



24.6763, 0.3355, 0.5477



51.7096, 0.3254, 0.3929



16.0132, 0.4800, 0.4280



11.2824, 0.3269, 0.4024



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.



24.6763, 0.3355, 0.5477



42.8781, 0.3279, 0.5753



23.2243, 0.2984, 0.5621



7.0453, 0.3176, 0.3516



19.7460, 0.3277, 0.5780



0.3159, 0.3618, 0.5510

Inverse Universe

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



6.1084, 0.2416, 0.1258



8.2249, 0.2228, 0.1017



9.7937, 0.3335, 0.1744



6.1950, 0.3074, 0.3066



3.6804, 0.2213, 0.0993



0.0763, 0.2650, 0.1234

Previews

White Background



This preview shows how the Yxy color 24.6752, 0.3355, 0.5477 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 24.6752, 0.3355, 0.5477 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 24.6752, 0.3355, 0.5477

Background



This preview shows how black text looks on a background with the Yxy color 24.6752, 0.3355, 0.5477.



This preview shows how white text looks on a background with the Yxy color 24.6752, 0.3355, 0.5477.

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

24.6752, 0.3355, 0.5477

Protanopia

24.3629, 0.4313, 0.4787

Deuteranopia

24.4210, 0.4523, 0.4442



Tritanopia

24.7447, 0.2628, 0.3093

Trichromacy



Original Color

24.6752, 0.3355, 0.5477

Protanomaly

23.9419, 0.3939, 0.5060

Deuteranomaly

23.7267, 0.4059, 0.4831

Tritanomaly

24.3512, 0.2949, 0.4032

Monochromacy



Original Color

24.6752, 0.3355, 0.5477

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.9077, 0.3299, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6752, 0.3355, 0.5477 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(82, 153, 31)` looks like.

```
.text, #text, p{  
    color:rgb(82, 153, 31)  
}
```

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(82, 153, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 153, 31) }
```

Border

The CSS property to change the border of an element to Yxy 24.6752, 0.3355, 0.5477 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(82, 153, 31) }
```

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

```
.border{ border-color:rgb(82, 153, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 153, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 153, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 153, 31);  
box-shadow:4px 4px 4px 4px rgb(82, 153,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6752, 0.3355, 0.5477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 153, 31) }
```

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

```
.background{ background-color: rgb(82, 153,  
31) }
```

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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