

Converting Colors

$Y_{xy}(25.1373, 0.3069, 0.5690)$

Have a look what the booklet for
Yxy(25.1373, 0.3069, 0.5690)
contains.

Yxy(25.0935, 0.3066, 0.5688)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(25.0935, 0.3066, 0.5688)$

Conversions

Conversions Part 1

Format	Color
Hex	2C9E20
RGB	44, 158, 32
RGB Percent	17%, 62%, 13%
CMY	0.8275, 0.3804, 0.8745
CMYK	0.72, 0.00, 0.80, 0.38
HSL	114°, 66%, 37%
HSV	114°, 80%, 62%
XYZ	13.5261, 25.0935, 5.4969
YIQ	109.5500, -27.4980, -63.3540

Conversions

Conversions Part 2

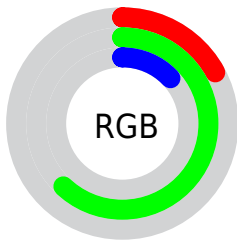
Format	Color
R_{YB}	32, 158, 146
Decimal	2924064
CIE _{Lab}	57.17, -54.33, 52.23
CIE _{LCh}	57, 75.363, 136.127
Yxy	25.0935, 0.3066, 0.5688
Android (android.graphics.Color)	4281114144 (0xFF2C9E20)
YUV	109.5500, -38.2321, -57.4873
Hunter-Lab	50.0934, -39.4652, 28.5593

Details

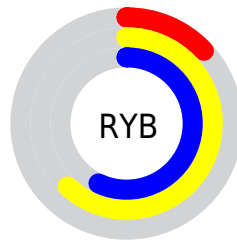
The Yxy color **25.0935, 0.3066, 0.5688** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.6138, 0.3021, 0.1566**, and the grayscale version is **15.5749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9694, 0.3155, 0.5131**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.7644, 0.3044, 0.5866**, and if you desaturate by 10%, it is **25.5750, 0.3086, 0.5437**.

Distribution



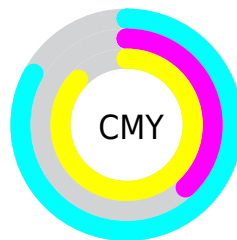
- Red (17%)
- Green (62%)
- Blue (13%)



- Red (13%)
- Yellow (62%)
- Blue (57%)



- Cyan (72%)
- Magenta (0%)
- Yellow (80%)
- Black (38%)





- Cyan (83%)
- Magenta (38%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0935, 0.3066, 0.5688 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 25.0935, 0.3066, 0.5688 by changing the saturation by 10% instead.


 25.0935, 0.3066,
0.5688


 25.0935, 0.3066,
0.5688


278.3033, 0.3199,
0.4283


 16.1467, 0.2971,
0.6094


 51.8089, 0.3153,
0.5130

 9.6280, 0.2799,
0.6631


 70.3463, 0.3172,
0.4934


 5.1530, 0.2522,
0.7478

 92.8493, 0.3184,
0.4774

 2.3373, 0.1704,
0.8296

 119.7024, 0.3191,
0.4642

 0.7934, 0.0000,
1.0000

 151.2900, 0.3195,
0.4530

 0.0000, 0.0000,
0.0000

 187.9964, 0.3198,

0.4436

230.2060, 0.3198,
0.4354

■ 25.0935, 0.3066,
0.5688

■ 25.0935, 0.3066,
0.5688

■ 24.7644, 0.3044,
0.5866

■ 25.5750, 0.3086,
0.5437

■ 24.5607, 0.3026,
0.5977

■ 26.2210, 0.3104,
0.5132

■ 24.5568, 0.3026,
0.5980

■ 27.0460, 0.3116,
0.4796

■ 28.0620, 0.3125,
0.4454

■ 29.2800, 0.3130,
0.4122

■ 30.7101, 0.3131,
0.3813

■ 32.3617, 0.3130,
0.3533

■ 34.2438, 0.3127,
0.3284

■ 36.3648, 0.3123,
0.3065

Harmonies

Analogous

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



25.0935, 0.4164, 0.5383



25.0935, 0.3066, 0.5688



25.0935, 0.2035, 0.4727

Triad

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



25.0935, 0.3066, 0.5688



25.0935, 0.1307, 0.1642



25.0935, 0.5199, 0.2942

Complementary

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



25.0935, 0.3066, 0.5688



9.6138, 0.3021, 0.1566

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.



25.0935, 0.4035, 0.2271



25.0935, 0.3066, 0.5688



25.0935, 0.1802, 0.1563

Square

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



25.0935, 0.3066, 0.5688



25.0935, 0.1165, 0.2109



25.0935, 0.2729, 0.1783



25.0935, 0.5562, 0.3695

Rectangle

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



25.0935, 0.3066, 0.5688



25.0935, 0.1542, 0.3660



25.0935, 0.2729, 0.1783



25.0935, 0.4876, 0.2706

Sweetspot

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



25.0945, 0.3066, 0.5688



54.4911, 0.3131, 0.3956



27.7480, 0.4253, 0.4807



12.0919, 0.3130, 0.4061



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.0945, 0.3066, 0.5688



44.6609, 0.3026, 0.5953



25.3773, 0.2765, 0.4886



7.4298, 0.3130, 0.3520



19.6751, 0.3028, 0.5978



0.3596, 0.3158, 0.5874

Inverse Universe

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



9.6138, 0.3021, 0.1566



15.3125, 0.2979, 0.1427



9.3769, 0.4154, 0.2251



6.7225, 0.3123, 0.3069



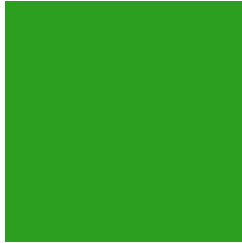
6.6605, 0.2976, 0.1413



0.1275, 0.3076, 0.1468

Previews

White Background



This preview shows how the Yxy color 25.0935, 0.3066, 0.5688 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 25.0935, 0.3066, 0.5688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

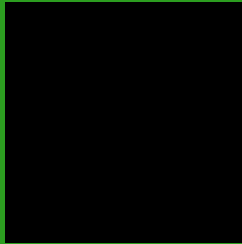
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0935, 0.3066, 0.5688

Background



This preview shows how black text looks on a background with the Yxy color 25.0935, 0.3066, 0.5688.



This preview shows how white text looks on a background with the Yxy color 25.0935, 0.3066, 0.5688.

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

25.0935, 0.3066, 0.5688

Protanopia

24.7382, 0.4317, 0.4796

Deuteranopia

24.4438, 0.4502, 0.4416



Tritanopia

24.9484, 0.2430, 0.3070

Trichromacy



Original Color

25.0935, 0.3066, 0.5688



Protanomaly

23.8453, 0.3744, 0.5208



Deuteranomaly

23.2013, 0.3856, 0.4945



Tritanomaly

24.4493, 0.2697, 0.4064

Monochromacy



Original Color

25.0935, 0.3066, 0.5688



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.7664, 0.3125, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0935, 0.3066, 0.5688 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(44, 158, 32)` looks like.

```
.text, #text, p{  
    color:rgb(44, 158, 32)  
}
```

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(44, 158, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 158, 32) }
```

Border

The CSS property to change the border of an element to Yxy 25.0935, 0.3066, 0.5688 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(44, 158, 32) }
```

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

```
.border{ border-color:rgb(44, 158, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 158, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 158, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 158, 32);  
box-shadow:4px 4px 4px 4px rgb(44, 158,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0935, 0.3066, 0.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 158, 32) }
```

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

```
.background{ background-color: rgb(44, 158,  
32) }
```

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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