

Converting Colors

$Y_{xy}(26.2746, 0.2995, 0.5981)$

Have a look what the booklet for
Yxy(26.2746, 0.2995, 0.5981)
contains.

| | |
|--|----|
| Yxy(26.2032, 0.2995, 0.5982) | 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

$\text{Yxy}(26.2032, 0.2995, 0.5982)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 00A304 |
| RGB | 0, 163, 4 |
| RGB Percent | 0%, 64%, 2% |
| CMY | 1.0000, 0.3608, 0.9843 |
| CMYK | 1.00, 0.00, 0.98, 0.36 |
| HSL | 121°, 100%, 32% |
| HSV | 121°, 100%, 64% |
| XYZ | 13.1191, 26.2032, 4.4811 |
| YIQ | 96.1370, -46.1090, -84.0050 |

Conversions

Conversions Part 2

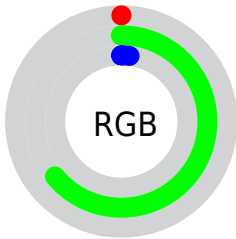
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 159, 163 |
| Decimal | 41732 |
| CIELab | 58.23, -61.55, 58.93 |
| CIELCh | 58, 85.216, 136.248 |
| Yxy | 26.2032, 0.2995, 0.5982 |
| Android (android.graphics.Color) | 4278231812 (0xFF00A304) |
| YUV | 96.1370, -45.4235, -84.3121 |
| Hunter-Lab | 51.1891, -43.8335, 30.6421 |

Details

The Yxy color **26.2032, 0.2995, 0.5982** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.2897, 0.3271, 0.1576**, and the grayscale version is **11.8541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4846, 0.3117, 0.5363**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.2043, 0.2995, 0.5982**, and if you desaturate by 10%, it is **26.3585, 0.2998, 0.5879**.

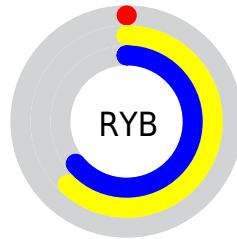
Distribution



Red (0%)

Green (64%)

Blue (2%)



Red (0%)

Yellow (62%)

Blue (64%)

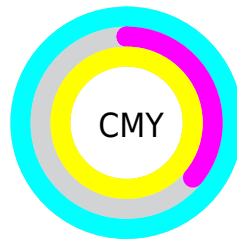


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2032, 0.2995, 0.5982 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 26.2032, 0.2995, 0.5982 by changing the saturation by 10% instead.


 26.2032, 0.2995,
0.5982


 26.2032, 0.2995,
0.5982


283.7782, 0.3195,
0.4417


 16.9757, 0.2868,
0.6416


 53.6026, 0.3117,
0.5370


 10.2172, 0.2661,
0.7004


 72.5433, 0.3147,
0.5151


 5.5432, 0.2278,
0.7722

 95.4905, 0.3165,
0.4972

 2.5694, 0.1392,
0.8608

 122.8286, 0.3178,
0.4822

 0.9113, 0.0000,
1.0000


 154.9420, 0.3186,
0.4697


 0.0000, 0.0000,
0.0000


 192.2152, 0.3191,


0.4590


 235.0324, 0.3194,
0.4497


 26.2032, 0.2995,
0.5982


 26.2032, 0.2995,
0.5982


 26.2043, 0.2995,
0.5982

 26.3585, 0.2998,
0.5879

 26.6385, 0.3002,
0.5701

 27.0913, 0.3012,
0.5449

 27.7388, 0.3025,
0.5140

 28.5995, 0.3041,
0.4801

■ 29.6898, 0.3059,
0.4455

■ 31.0246, 0.3077,
0.4122

■ 32.6175, 0.3095,
0.3813

■ 34.4810, 0.3112,
0.3535

Harmonies

Analogous

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



26.2032, 0.4175, 0.5542



26.2032, 0.2995, 0.5982



26.2032, 0.1901, 0.4910

Triad

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



26.2032, 0.2995, 0.5982



26.2032, 0.1176, 0.1505



26.2032, 0.5426, 0.2883

Complementary

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



26.2032, 0.2995, 0.5982



10.2897, 0.3271, 0.1576

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.



26.2032, 0.4132, 0.2180



26.2032, 0.2995, 0.5982



26.2032, 0.1690, 0.1434

Square

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



26.2032, 0.2995, 0.5982



26.2032, 0.1021, 0.1979



26.2032, 0.2684, 0.1666



26.2032, 0.5780, 0.3662

Rectangle

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



26.2032, 0.2995, 0.5982



26.2032, 0.1388, 0.3675



26.2032, 0.2684, 0.1666



26.2032, 0.5071, 0.2637

Sweetspot

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



26.2043, 0.2995, 0.5982



55.4155, 0.3076, 0.4140



33.6986, 0.4165, 0.5075



12.2207, 0.3069, 0.4272



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



26.2043, 0.2995, 0.5982



46.9236, 0.2996, 0.5987



26.8390, 0.2704, 0.4935



7.8977, 0.3113, 0.3516



20.3658, 0.2994, 0.5979



0.4287, 0.2967, 0.5881

Inverse Universe

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



10.2897, 0.3271, 0.1576



18.4227, 0.3272, 0.1576



8.3482, 0.5010, 0.2533



7.1992, 0.3141, 0.3074



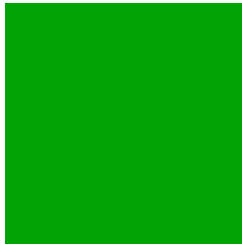
7.9977, 0.3270, 0.1575



0.1689, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 26.2032, 0.2995, 0.5982 looks on a white background.

Color Contrast Check

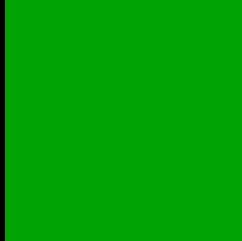
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2032, 0.2995, 0.5982 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 26.2032, 0.2995, 0.5982

Background



This preview shows how black text looks on a background with the Yxy color 26.2032, 0.2995, 0.5982.



This preview shows how white text looks on a background with the Yxy color 26.2032, 0.2995, 0.5982.

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

26.2032, 0.2995, 0.5982

Protanopia

25.9243, 0.4394, 0.4893

Deuteranopia

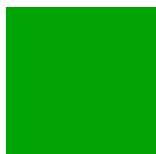
25.7439, 0.4585, 0.4497



Tritanopia

26.3658, 0.2367, 0.3072

Trichromacy



Original Color

26.2032, 0.2995, 0.5982



Protanomaly

23.8913, 0.3640, 0.5486



Deuteranomaly

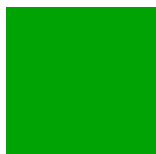
23.0904, 0.3753, 0.5238



Tritanomaly

25.3311, 0.2646, 0.4328

Monochromacy



Original Color

26.2032, 0.2995, 0.5982



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.7839, 0.3040, 0.4712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2032, 0.2995, 0.5982 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(0, 163, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 4)  
}
```

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(0, 163, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 4) }
```

Border

The CSS property to change the border of an element to Yxy 26.2032, 0.2995, 0.5982 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(0, 163, 4) }
```

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

```
.border{ border-color:rgb(0, 163, 4) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 163, 4); box-shadow:4px  
4px 4px 4px rgb(0, 163, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2032, 0.2995, 0.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 4) }
```

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

```
.background{ background-color: rgb(0, 163,  
4) }
```

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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