

Converting Colors

$Y_{xy}(26.3763, 0.3040, 0.5720)$

Have a look what the booklet for
Yxy(26.3763, 0.3040, 0.5720)
contains.

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Color

Yxy(26.3763, 0.3040, 0.5720)

Conversions

Conversions Part 1

Format	Color
Hex	27A220
RGB	39, 162, 32
RGB Percent	15%, 64%, 13%
CMY	0.8470, 0.3647, 0.8745
CMYK	0.76, 0.00, 0.80, 0.36
HSL	117°, 67%, 38%
HSV	117°, 80%, 64%
XYZ	14.0182, 26.3763, 5.7179
YIQ	110.4030, -31.5780, -66.5060

Conversions

Conversions Part 2

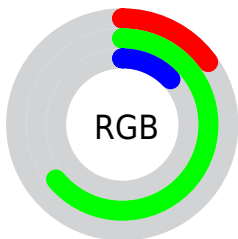
Format	Color
R_{YB}	32, 162, 155
Decimal	2597408
CIE _{Lab}	58.39, -56.48, 53.37
CIE _{LCh}	58, 77.709, 136.626
Yxy	26.3763, 0.3040, 0.5720
Android (android.graphics.Color)	4280787488 (0xFF27A220)
YUV	110.4030, -38.6527, -62.6204
Hunter-Lab	51.3579, -41.1545, 29.3494

Details

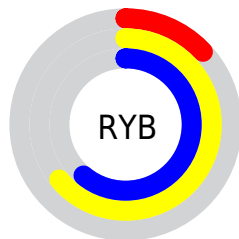
The Yxy color **26.3763, 0.3040, 0.5720** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.6076, 0.3099, 0.1600**, and the grayscale version is **15.8371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9116, 0.3134, 0.5154**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.0687, 0.3024, 0.5890**, and if you desaturate by 10%, it is **26.8503, 0.3057, 0.5473**.

Distribution



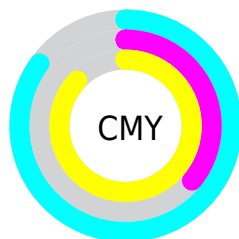
- Red (15%)
- Green (64%)
- Blue (13%)



- Red (13%)
- Yellow (64%)
- Blue (61%)



- Cyan (76%)
- Magenta (0%)
- Yellow (80%)
- Black (36%)



- Cyan (85%)
- Magenta (36%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3763, 0.3040, 0.5720 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 26.3763, 0.3040, 0.5720 by changing the saturation by 10% instead.

 26.3763, 0.3040,
0.5720


 26.3763, 0.3040,
0.5720


284.6245, 0.3189,
0.4305


 17.1054, 0.2941,
0.6125


 53.8814, 0.3133,
0.5161


 10.3096, 0.2766,
0.6655


 72.8843, 0.3155,
0.4964

 5.6047, 0.2497,
0.7503

 95.9001, 0.3169,
0.4802

 2.6063, 0.1759,
0.8241

 123.3130, 0.3177,
0.4668

 0.9298, 0.0000,
1.0000

 155.5075, 0.3183,
0.4556

 0.0000, 0.0000,
0.0000

 192.8680, 0.3186,

0.4459

235.7788, 0.3188,
0.4377

■ 26.3763, 0.3040,
0.5720

■ 26.3763, 0.3040,
0.5720

■ 26.0687, 0.3024,
0.5890

■ 26.8503, 0.3057,
0.5473

■ 25.8979, 0.3013,
0.5989

■ 27.5059, 0.3074,
0.5168

■ 28.3605, 0.3089,
0.4830

■ 29.4282, 0.3101,
0.4482

■ 30.7222, 0.3111,
0.4145

■ 32.2543, 0.3118,
0.3831

■ 34.0358, 0.3124,
0.3548

■ 36.0771, 0.3127,
0.3296

■ 38.3879, 0.3129,
0.3076

Harmonies

Analogous

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



26.3763, 0.4149, 0.5416



26.3763, 0.3040, 0.5720



26.3763, 0.2004, 0.4725

Triad

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



26.3763, 0.3040, 0.5720



26.3763, 0.1295, 0.1620



26.3763, 0.5240, 0.2947

Complementary

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



26.3763, 0.3040, 0.5720



10.6076, 0.3099, 0.1600

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.



26.3763, 0.4070, 0.2269



26.3763, 0.3040, 0.5720



26.3763, 0.1799, 0.1548

Square

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



26.3763, 0.3040, 0.5720



26.3763, 0.1146, 0.2081



26.3763, 0.2743, 0.1774



26.3763, 0.5588, 0.3705

Rectangle

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



26.3763, 0.3040, 0.5720



26.3763, 0.1513, 0.3637



26.3763, 0.2743, 0.1774



26.3763, 0.4918, 0.2709

Sweetspot

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



26.3774, 0.3040, 0.5720



57.3302, 0.3115, 0.3960



30.6781, 0.4212, 0.4856



12.6665, 0.3113, 0.4068



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.



26.3774, 0.3040, 0.5720



47.0737, 0.3013, 0.5964



26.8585, 0.2739, 0.4811



7.9125, 0.3124, 0.3521



20.4086, 0.3015, 0.5988



0.4340, 0.3088, 0.5930

Inverse Universe

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



10.6076, 0.3099, 0.1600



17.2913, 0.3078, 0.1481



9.7479, 0.4263, 0.2308



7.1826, 0.3129, 0.3068



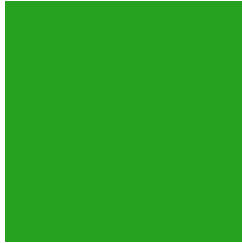
7.4154, 0.3077, 0.1469



0.1613, 0.3128, 0.1497

Previews

White Background



This preview shows how the Yxy color 26.3763, 0.3040, 0.5720 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 26.3763, 0.3040, 0.5720 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 26.3763, 0.3040, 0.5720

Background



This preview shows how black text looks on a background with the Yxy color 26.3763, 0.3040, 0.5720.



This preview shows how white text looks on a background with the Yxy color 26.3763, 0.3040, 0.5720.

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

26.3763, 0.3040, 0.5720

Protanopia

25.9988, 0.4328, 0.4794

Deuteranopia

25.6985, 0.4512, 0.4426



Tritanopia

26.3141, 0.2413, 0.3074

Trichromacy



Original Color

26.3763, 0.3040, 0.5720



Protanomaly

24.8411, 0.3731, 0.5225



Deuteranomaly

24.1650, 0.3842, 0.4970



Tritanomaly

25.7373, 0.2681, 0.4092

Monochromacy



Original Color

26.3763, 0.3040, 0.5720



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.1945, 0.3100, 0.4329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3763, 0.3040, 0.5720 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(39, 162, 32)` looks like.

```
.text, #text, p{  
    color:rgb(39, 162, 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(39, 162, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 162, 32) }
```

Border

The CSS property to change the border of an element to Yxy 26.3763, 0.3040, 0.5720 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(39, 162, 32) }
```

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

```
.border{ border-color:rgb(39, 162, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 162, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 162, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 162, 32);  
box-shadow:4px 4px 4px 4px rgb(39, 162,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3763, 0.3040, 0.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 162, 32) }
```

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

```
.background{ background-color: rgb(39, 162,  
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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