

Converting Colors

$Yxy(24.5944, 0.2991, 0.5901)$

Have a look what the booklet for
Yxy(24.5944, 0.2991, 0.5901)
contains.

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Color

Yxy(24.5523, 0.2990, 0.5901)

Conversions

Conversions Part 1

Format	Color
Hex	099E11
RGB	9, 158, 17
RGB Percent	4%, 62%, 7%
CMY	0.9648, 0.3804, 0.9332
CMYK	0.94, 0.00, 0.89, 0.38
HSL	123°, 89%, 33%
HSV	123°, 94%, 62%
XYZ	12.4405, 24.5523, 4.6142
YIQ	97.3750, -43.5430, -75.4390

Conversions

Conversions Part 2

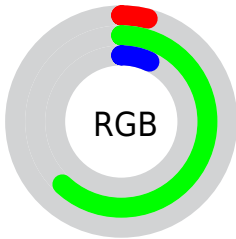
Format	Color
R_{YB}	9, 150, 158
Decimal	630289
CIE _{Lab}	56.64, -59.22, 55.51
CIE _{LCh}	57, 81.169, 136.855
Yxy	24.5523, 0.2990, 0.5901
Android (android.graphics.Color)	4278820369 (0xFF099E11)
YUV	97.3750, -39.6249, -77.5049
Hunter-Lab	49.5503, -41.8973, 29.1640

Details

The Yxy color **24.5523, 0.2990, 0.5901** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.6646, 0.3338, 0.1637**, and the grayscale version is **12.1577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9703, 0.3106, 0.5289**, and **10.1032, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.4736, 0.2989, 0.5959**, and if you desaturate by 10%, it is **24.7628, 0.2988, 0.5744**.

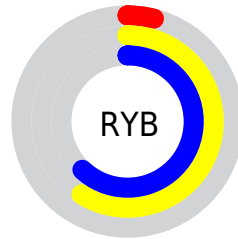
Distribution



Red (4%)

Green (62%)

Blue (7%)



Red (4%)

Yellow (59%)

Blue (62%)

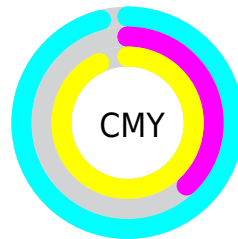


Cyan (94%)

Magenta (0%)

Yellow (89%)

Black (38%)



Cyan (96%)


Magenta (38%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5523, 0.2990, 0.5901 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 24.5523, 0.2990, 0.5901 by changing the saturation by 10% instead.


 24.5523, 0.2990,
0.5901


 24.5523, 0.2990,
0.5901


275.6010, 0.3183,
0.4365


 15.7438, 0.2867,
0.6341


 50.9300, 0.3107,
0.5292


 9.3431, 0.2662,
0.6940


 69.2680, 0.3136,
0.5077


 4.9656, 0.2283,
0.7717

 91.5513, 0.3154,
0.4902

 2.2271, 0.1204,
0.8796

 118.1643, 0.3166,
0.4757

 0.7347, 0.0000,
1.0000


 149.4913, 0.3173,
0.4635


 0.0000, 0.0000,
0.0000


 185.9169, 0.3178,

0.4531


 227.8253, 0.3181,
0.4442

 24.5523, 0.2990,
0.5901


 24.5523, 0.2990,
0.5901


 24.4736, 0.2989,
0.5959

 24.7628, 0.2988,
0.5744

 25.1221, 0.2992,
0.5513

 25.6526, 0.3002,
0.5224

 26.3723, 0.3017,
0.4898

 27.2966, 0.3036,
0.4561

■ 28.4395, 0.3057,
0.4231

■ 29.8138, 0.3078,
0.3921

■ 31.4312, 0.3099,
0.3639

■ 33.3027, 0.3119,
0.3389

Harmonies

Analogous

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



24.5523, 0.4150, 0.5520



24.5523, 0.2990, 0.5901



24.5523, 0.1916, 0.4826

Triad

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



24.5523, 0.2990, 0.5901



24.5523, 0.1215, 0.1534



24.5523, 0.5386, 0.2915

Complementary

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



24.5523, 0.2990, 0.5901



9.6646, 0.3338, 0.1637

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.



24.5523, 0.4139, 0.2216



24.5523, 0.2990, 0.5901



24.5523, 0.1734, 0.1468

Square

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



24.5523, 0.2990, 0.5901



24.5523, 0.1057, 0.1997



24.5523, 0.2722, 0.1703



24.5523, 0.5722, 0.3690

Rectangle

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



24.5523, 0.2990, 0.5901



24.5523, 0.1415, 0.3635



24.5523, 0.2722, 0.1703



24.5523, 0.5046, 0.2670

Sweetspot

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



24.5533, 0.2990, 0.5901



53.0326, 0.3069, 0.4049



31.0111, 0.4098, 0.5093



11.7310, 0.3060, 0.4177



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.



24.5533, 0.2990, 0.5901



44.4324, 0.2992, 0.5970



25.2670, 0.2659, 0.4723



7.4066, 0.3109, 0.3508



19.6018, 0.2987, 0.5954



0.3520, 0.2926, 0.5734

Inverse Universe

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



9.6646, 0.3338, 0.1637



17.1584, 0.3350, 0.1619



7.9864, 0.4992, 0.2571



6.7484, 0.3145, 0.3081



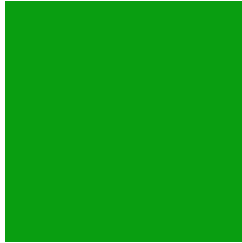
7.5734, 0.3346, 0.1617



0.1371, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 24.5523, 0.2990, 0.5901 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 24.5523, 0.2990, 0.5901 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 24.5523, 0.2990, 0.5901

Background



This preview shows how black text looks on a background with the Yxy color 24.5523, 0.2990, 0.5901.



This preview shows how white text looks on a background with the Yxy color 24.5523, 0.2990, 0.5901.

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

24.5523, 0.2990, 0.5901

Protanopia

24.0165, 0.4388, 0.4869

Deuteranopia

24.0133, 0.4556, 0.4478



Tritanopia

24.5289, 0.2367, 0.3066

Trichromacy



Original Color

24.5523, 0.2990, 0.5901



Protanomaly

22.3762, 0.3663, 0.5416



Deuteranomaly

21.9385, 0.3763, 0.5152



Tritanomaly

23.7526, 0.2631, 0.4221

Monochromacy



Original Color

24.5523, 0.2990, 0.5901



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.7348, 0.3036, 0.4555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5523, 0.2990, 0.5901 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(9, 158, 17)` looks like.

```
.text, #text, p{  
    color:rgb(9, 158, 17)  
}
```

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(9, 158, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 158, 17) }
```

Border

The CSS property to change the border of an element to Yxy 24.5523, 0.2990, 0.5901 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(9, 158, 17) }
```

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

```
.border{ border-color:rgb(9, 158, 17) }
```

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

Here you see how a box with a 4 pixel rgb(9, 158, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 158, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 158, 17);  
box-shadow:4px 4px 4px 4px rgb(9, 158, 17)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.5523, 0.2990, 0.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 158, 17) }
```

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

```
.background{ background-color: rgb(9, 158,  
17) }
```

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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