

Converting Colors

$Y_{xy}(12.4576, 0.3193, 0.1993)$

Have a look what the booklet for
Yxy(12.4576, 0.3193, 0.1993)
contains.

Yxy(12.4666, 0.3188, 0.1990)	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

Yxy(12.4666, 0.3188, 0.1990)

Conversions

Conversions Part 1

Format	Color
Hex	964196
RGB	150, 65, 150
RGB Percent	59%, 25%, 59%
CMY	0.4118, 0.7451, 0.4118
CMYK	0.00, 0.57, 0.00, 0.41
HSL	300°, 40%, 42%
HSV	300°, 57%, 59%
XYZ	19.9716, 12.4666, 30.2080
YIQ	100.1050, 23.3750, 44.4550

Conversions

Conversions Part 2

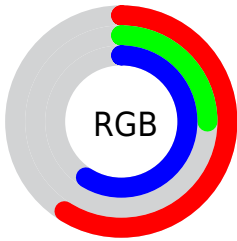
Format	Color
R_{YB}	150, 65, 150
Decimal	9847190
CIE _{Lab}	41.95, 47.48, -30.53
CIE _{LCh}	42, 56.447, 327.256
Yxy	12.4666, 0.3188, 0.1990
Android (android.graphics.Color)	4288037270 (0xFF964196)
YUV	100.1050, 24.5982, 43.7579
Hunter-Lab	35.3081, 39.1774, -26.0102

Details

The Yxy color **12.4666, 0.3188, 0.1990** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **23.3193, 0.3044, 0.5056**, and the grayscale version is **12.7047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2522, 0.3186, 0.2250**, and **3.4962, 0.3137, 0.1538** is the 20% darker color. If you saturate the color by 10%, you get **10.9672, 0.3196, 0.1823**, and if you desaturate by 10%, it is **14.4244, 0.3179, 0.2189**.

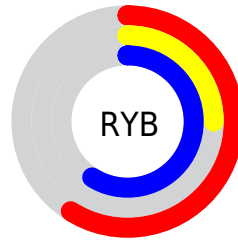
Distribution



Red (59%)

Green (25%)

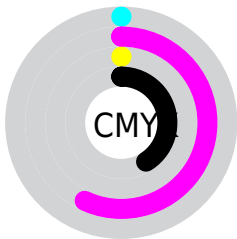
Blue (59%)



Red (59%)

Yellow (25%)

Blue (59%)

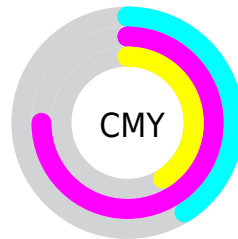


Cyan (0%)

Magenta (57%)

Yellow (0%)

Black (41%)



Cyan (41%)


Magenta (75%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4666, 0.3188, 0.1990 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 12.4666, 0.3188, 0.1990 by changing the saturation by 10% instead.


 12.4666, 0.3188,
0.1990


 12.4666, 0.3188,
0.1990


207.4703, 0.3180,
0.2697


 7.0623, 0.3177,
0.1798


 30.3421, 0.3193,
0.2260


 3.5011, 0.3152,
0.1544


 43.5821, 0.3192,
0.2357


 1.3986, 0.3095,
0.1202

 60.2028, 0.3191,
0.2438

 0.2157, 0.3046,
0.0444

 80.5886, 0.3189,
0.2507

 0.0000, 0.2093,
0.0000

 105.1238, 0.3186,
0.2565

 0.0000, 0.0000,
0.0000

134.1929, 0.3184,

0.2615

168.1803, 0.3182,
0.2659

■ 12.4666, 0.3188,
0.1990

■ 12.4666, 0.3188,
0.1990

■ 10.9672, 0.3196,
0.1823

■ 14.4244, 0.3179,
0.2189

■ 9.8876, 0.3202,
0.1695

■ 16.8721, 0.3168,
0.2411

■ 9.1854, 0.3206,
0.1606

■ 19.8402, 0.3157,
0.2648

■ 8.7933, 0.3208,
0.1556

■ 23.3562, 0.3146,
0.2891

■ 8.6845, 0.3209,
0.1541

■ 27.4458, 0.3135,
0.3133

■ 32.1330, 0.3124,
0.3367

■ 37.4405, 0.3113,
0.3591

■ 43.3897, 0.3103,
0.3800

■ 50.0011, 0.3094,
0.3994

Harmonies

Analogous

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



12.4666, 0.2140, 0.1675



12.4666, 0.3188, 0.1990



12.4666, 0.4454, 0.2545

Triad

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



12.4666, 0.3188, 0.1990



12.4666, 0.4738, 0.4827



12.4666, 0.1326, 0.2735

Complementary

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



12.4666, 0.3188, 0.1990



23.3193, 0.3044, 0.5056

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.



12.4666, 0.1805, 0.4092



12.4666, 0.3188, 0.1990



12.4666, 0.3765, 0.5497

Square

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



12.4666, 0.3188, 0.1990



12.4666, 0.5372, 0.3999



12.4666, 0.2701, 0.5349



12.4666, 0.1251, 0.1946

Rectangle

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



12.4666, 0.3188, 0.1990



12.4666, 0.5120, 0.2997



12.4666, 0.2701, 0.5349



12.4666, 0.1436, 0.3133

Sweetspot

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



12.4672, 0.3188, 0.1990



40.7672, 0.3147, 0.2874



7.2729, 0.2069, 0.1558



8.7778, 0.3149, 0.2831



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.4672, 0.3188, 0.1990



18.7739, 0.3198, 0.1785



11.3685, 0.3886, 0.2565



5.9092, 0.3137, 0.3072



7.2026, 0.3209, 0.1541



0.0882, 0.3209, 0.1541

Inverse Universe

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



10.6480, 0.4772, 0.3295



15.2380, 0.5363, 0.3296



23.9797, 0.2747, 0.4197



5.8154, 0.3282, 0.3290



5.3778, 0.6401, 0.3300



0.0658, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 12.4666, 0.3188, 0.1990 looks on a white 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

Black Background



This preview shows how the Yxy color 12.4666, 0.3188, 0.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

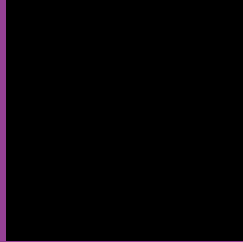
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4666, 0.3188, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 12.4666, 0.3188, 0.1990.



This preview shows how white text looks on a background with the Yxy color 12.4666, 0.3188, 0.1990.

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

12.4666, 0.3188, 0.1990

Protanopia

12.7962, 0.2005, 0.1790

Deuteranopia

12.7311, 0.2409, 0.2363



Tritanopia

12.5788, 0.4078, 0.3185

Trichromacy



Original Color

12.4666, 0.3188, 0.1990

Protanomaly

11.6513, 0.2282, 0.1793

Deuteranomaly

12.0175, 0.2645, 0.2169

Tritanomaly

12.4276, 0.3741, 0.2686

Monochromacy



Original Color

12.4666, 0.3188, 0.1990

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

11.9759, 0.3156, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4666, 0.3188, 0.1990 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(150, 65, 150)` looks like.

```
.text, #text, p{  
    color:rgb(150, 65, 150)  
}
```

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(150, 65, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 65, 150) }
```

Border

The CSS property to change the border of an element to Yxy 12.4666, 0.3188, 0.1990 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(150, 65, 150) }
```

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

```
.border{ border-color:rgb(150, 65, 150) }
```

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

Here you see how a box with a 4 pixel rgb(150, 65, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 65, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 65, 150);  
box-shadow:4px 4px 4px 4px rgb(150, 65,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4666, 0.3188, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 65, 150) }
```

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

```
.background{ background-color: rgb(150, 65,  
150) }
```

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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