

Converting Colors

$Yxy(12.9787, 0.1917, 0.2041)$

Have a look what the booklet for
Yxy(12.9787, 0.1917, 0.2041)
contains.

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Color

Yxy(12.9787, 0.1917, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	0D69A7
RGB	13, 105, 167
RGB Percent	5%, 41%, 65%
CMY	0.9497, 0.5882, 0.3451
CMYK	0.92, 0.37, 0.00, 0.35
HSL	204°, 86%, 35%
HSV	204°, 92%, 65%
XYZ	12.1902, 12.9787, 38.4210
YIQ	84.5600, -74.7340, -0.2220

Conversions

Conversions Part 2

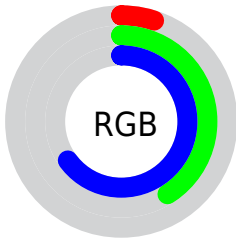
Format	Color
R_{YB}	13, 71, 167
Decimal	879015
CIE _{Lab}	42.73, -1.00, -40.07
CIE _{LCh}	43, 40.081, 268.570
Yxy	12.9787, 0.1917, 0.2041
Android (android.graphics.Color)	4279069095 (0xFF0D69A7)
YUV	84.5600, 40.6429, -62.7581
Hunter-Lab	36.0260, -2.6460, -38.0135

Details

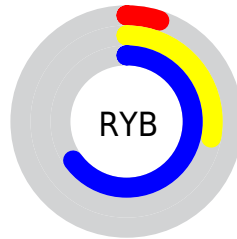
The Yxy color **12.9787, 0.1917, 0.2041** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.2499, 0.5490, 0.3930**, and the grayscale version is **8.9025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3288, 0.2184, 0.2318**, and **4.3428, 0.1807, 0.1706** is the 20% darker color. If you saturate the color by 10%, you get **11.8767, 0.1869, 0.1927**, and if you desaturate by 10%, it is **14.5861, 0.1993, 0.2193**.

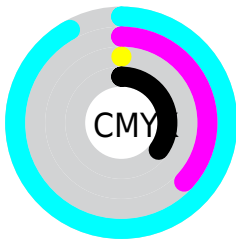
Distribution



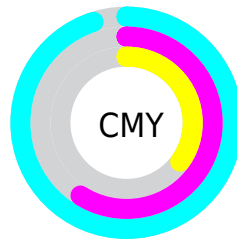
- Red (5%)
- Green (41%)
- Blue (65%)



- Red (5%)
- Yellow (28%)
- Blue (65%)



- Cyan (92%)
- Magenta (37%)
- Yellow (0%)
- Black (35%)



- Cyan (95%)
- Magenta (59%)
- Yellow (35%)
- Black (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9787, 0.1917, 0.2041 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 12.9787, 0.1917, 0.2041 by changing the saturation by 10% instead.

■ 12.9787, 0.1917,
0.2041

■ 12.9787, 0.1917,
0.2041

■ 210.7811, 0.2607,
0.2755

■ 7.4139, 0.1721,
0.1837

■ 31.2655, 0.2187,
0.2321

■ 3.7223, 0.1460,
0.1564

■ 44.7563, 0.2283,
0.2421

■ 1.5194, 0.1108,
0.1194

■ 61.6579, 0.2361,
0.2502

■ 0.3024, 0.0459,
0.0528

■ 82.3546, 0.2427,
0.2570

■ 0.0000, 0.0000,
0.0000

■ 107.2309, 0.2482,
0.2627

■ 136.6711, 0.2530,

0.2676

171.0598, 0.2571,
0.2718

■ 12.9787, 0.1917,
0.2041

■ 12.9787, 0.1917,
0.2041

■ 11.8767, 0.1869,
0.1927

■ 14.5861, 0.1993,
0.2193

■ 16.4360, 0.2091,
0.2347

■ 18.5496, 0.2207,
0.2500

■ 20.9450, 0.2338,
0.2649

■ 23.6378, 0.2481,
0.2792

■ 26.6427, 0.2632,
0.2927

■ 29.9727, 0.2786,
0.3051

■ 33.6403, 0.2940,
0.3165

■ 37.6570, 0.3092,
0.3268

Harmonies

Analogous

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



12.9787, 0.1691, 0.2304



12.9787, 0.1917, 0.2041



12.9787, 0.2440, 0.2063

Triad

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



12.9787, 0.1917, 0.2041



12.9787, 0.4706, 0.3350



12.9787, 0.2848, 0.4631

Complementary

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



12.9787, 0.1917, 0.2041



13.2499, 0.5490, 0.3930

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.



12.9787, 0.3656, 0.4871



12.9787, 0.1917, 0.2041



12.9787, 0.4781, 0.3965

Square

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



12.9787, 0.1917, 0.2041



12.9787, 0.4105, 0.2779



12.9787, 0.4368, 0.4541



12.9787, 0.2160, 0.3811

Rectangle

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



12.9787, 0.1917, 0.2041



12.9787, 0.2945, 0.2213



12.9787, 0.4368, 0.4541



12.9787, 0.3115, 0.4788

Sweetspot

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



12.9791, 0.1917, 0.2041



49.9235, 0.2690, 0.2975



28.2222, 0.2787, 0.5163



10.6336, 0.2626, 0.2922



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.9791, 0.1917, 0.2041



20.8570, 0.1862, 0.1901



3.7158, 0.1570, 0.0772



8.0184, 0.2987, 0.3197



9.1862, 0.1873, 0.1941



0.3197, 0.2010, 0.2437

Inverse Universe

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



9.5186, 0.4397, 0.2247



16.3145, 0.4566, 0.2289



30.5645, 0.4342, 0.4884



7.6148, 0.3196, 0.3156



6.9984, 0.4520, 0.2264



0.1800, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 12.9787, 0.1917, 0.2041 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 12.9787, 0.1917, 0.2041 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 12.9787, 0.1917, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 12.9787, 0.1917, 0.2041.



This preview shows how white text looks on a background with the Yxy color 12.9787, 0.1917, 0.2041.

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

12.9787, 0.1917, 0.2041

Protanopia

12.8451, 0.2219, 0.2069

Deuteranopia

12.9467, 0.2043, 0.1989



Tritanopia

12.9444, 0.2191, 0.3088

Trichromacy



Original Color

12.9787, 0.1917, 0.2041

Protanomaly

12.7086, 0.2058, 0.2054

Deuteranomaly

12.7810, 0.1974, 0.1987

Tritanomaly

12.7757, 0.2075, 0.2638

Monochromacy



Original Color

12.9787, 0.1917, 0.2041

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.8219, 0.2410, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9787, 0.1917, 0.2041 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(13, 105, 167)` looks like.

```
.text, #text, p{  
  color:rgb(13, 105, 167)  
}
```

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(13, 105, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 105, 167) }
```

Border

The CSS property to change the border of an element to Yxy 12.9787, 0.1917, 0.2041 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(13, 105, 167) }
```

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

```
.border{ border-color:rgb(13, 105, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 105, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 105, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 105, 167);  
box-shadow:4px 4px 4px 4px rgb(13, 105,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9787, 0.1917, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 105, 167) }
```

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

```
.background{ background-color: rgb(13, 105,  
167) }
```

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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