

Converting Colors

$Y_{xy}(12.6370, 0.2344, 0.1544)$

Have a look what the booklet for
Yxy(12.6370, 0.2344, 0.1544)
contains.

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Color

Yxy(12.6685, 0.2342, 0.1544)

Conversions

Conversions Part 1

Format	Color
Hex	754CBE
RGB	117, 76, 190
RGB Percent	46%, 30%, 75%
CMY	0.5412, 0.7020, 0.2548
CMYK	0.38, 0.60, 0.00, 0.25
HSL	262°, 47%, 52%
HSV	262°, 60%, 75%
XYZ	19.2161, 12.6685, 50.1653
YIQ	101.2550, -12.1580, 44.1460

Conversions

Conversions Part 2

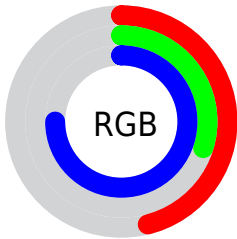
Format	Color
R_{YB}	117, 76, 190
Decimal	7687358
CIE _{Lab}	42.26, 42.34, -54.02
CIE _{LCh}	42, 68.637, 308.087
Yxy	12.6685, 0.2342, 0.1544
Android (android.graphics.Color)	4285877438 (0xFF754CBE)
YUV	101.2550, 43.7513, 13.8084
Hunter-Lab	35.5928, 34.0822, -58.6496

Details

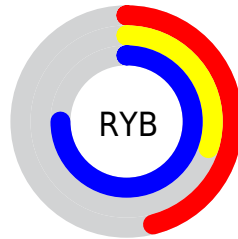
The Yxy color **12.6685, 0.2342, 0.1544** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **43.7557, 0.3591, 0.4890**, and the grayscale version is **12.9701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7784, 0.2535, 0.1875**, and **3.6002, 0.1994, 0.1058** is the 20% darker color. If you saturate the color by 10%, you get **9.6371, 0.2182, 0.1269**, and if you desaturate by 10%, it is **16.5836, 0.2502, 0.1847**.

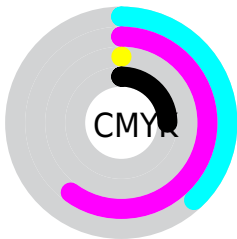
Distribution



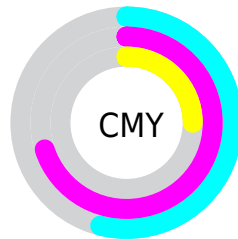
- Red (46%)
- Green (30%)
- Blue (75%)



- Red (46%)
- Yellow (30%)
- Blue (75%)



- Cyan (38%)
- Magenta (60%)
- Yellow (0%)
- Black (25%)



- Cyan (54%)
- Magenta (70%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.6685, 0.2342, 0.1544 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 12.6685, 0.2342, 0.1544 by changing the saturation by 10% instead.

12.6685, 0.2342,
0.1544

12.6685, 0.2342,
0.1544

208.7821, 0.2819,
0.2446

7.2007, 0.2197,
0.1326

30.7069, 0.2535,
0.1871

3.5879, 0.1999,
0.1059

44.0463, 0.2602,
0.1995

1.4458, 0.1718,
0.0739

60.7784, 0.2656,
0.2100

0.2501, 0.1334,
0.0247

81.2874, 0.2700,
0.2189

0.0000, 0.0482,
0.0000

105.9580, 0.2737,
0.2267

0.0000, 0.0000,
0.0000

135.1743, 0.2769,

0.2334

169.3209, 0.2796,
0.2394

■ 12.6685, 0.2342,
0.1544

■ 12.6685, 0.2342,
0.1544

■ 9.6371, 0.2182,
0.1269

■ 16.5836, 0.2502,
0.1847

■ 7.4135, 0.2030,
0.1040

■ 21.4468, 0.2655,
0.2160

■ 5.9106, 0.1894,
0.0869

■ 27.3180, 0.2795,
0.2470

■ 4.9591, 0.1780,
0.0754

■ 34.2515, 0.2921,
0.2765

■ 42.2976, 0.3032,
0.3039

■ 51.5037, 0.3127,
0.3290

■ 61.9139, 0.3209,
0.3515

■ 73.5704, 0.3278,
0.3716

■ 86.5132, 0.3336,
0.3895

Harmonies

Analogous

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



12.6685, 0.1479, 0.1390



12.6685, 0.2342, 0.1544



12.6685, 0.3726, 0.1990

Triad

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



12.6685, 0.2342, 0.1544



12.6685, 0.5476, 0.4305



12.6685, 0.1316, 0.3568

Complementary

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



12.6685, 0.2342, 0.1544



43.7557, 0.3591, 0.4890

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.



12.6685, 0.2142, 0.5419



12.6685, 0.2342, 0.1544



12.6685, 0.4514, 0.5342

Square

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



12.6685, 0.2342, 0.1544



12.6685, 0.5848, 0.3429



12.6685, 0.3303, 0.6047



12.6685, 0.1002, 0.2180

Rectangle

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



12.6685, 0.2342, 0.1544



12.6685, 0.4753, 0.2423



12.6685, 0.3303, 0.6047



12.6685, 0.1533, 0.4200

Sweetspot

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



12.6689, 0.2342, 0.1544



64.4011, 0.2941, 0.2814



27.1065, 0.2252, 0.2630



13.2613, 0.2907, 0.2730



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.6689, 0.2342, 0.1544



16.0340, 0.2132, 0.1191



17.7636, 0.2985, 0.1822



9.3878, 0.3038, 0.3057



3.3369, 0.1793, 0.0762



0.1680, 0.2078, 0.0918

Inverse Universe

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



18.2911, 0.3751, 0.2345



27.5587, 0.3953, 0.2214



39.6948, 0.3143, 0.5144



9.6365, 0.3191, 0.3144



8.2241, 0.4360, 0.2175



0.3342, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 12.6685, 0.2342, 0.1544 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 12.6685, 0.2342, 0.1544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

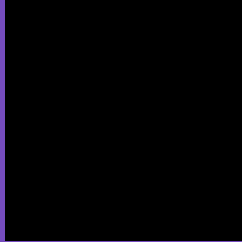
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6685, 0.2342, 0.1544

Background



This preview shows how black text looks on a background with the Yxy color 12.6685, 0.2342, 0.1544.



This preview shows how white text looks on a background with the Yxy color 12.6685, 0.2342, 0.1544.

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

12.6685, 0.2342, 0.1544

Protanopia

12.7735, 0.1739, 0.1462

Tritanopia

12.6379, 0.3020, 0.3113

Trichromacy



Original Color

12.6685, 0.2342, 0.1544

Protanomaly

11.8285, 0.1807, 0.1426

Tritanomaly

12.3525, 0.2738, 0.2382

Monochromacy



Original Color

12.6685, 0.2342, 0.1544

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4735, 0.2800, 0.2472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6685, 0.2342, 0.1544 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(117, 76, 190)` looks like.

```
.text, #text, p{  
    color:rgb(117, 76, 190)  
}
```

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(117, 76, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 76, 190) }
```

Border

The CSS property to change the border of an element to Yxy 12.6685, 0.2342, 0.1544 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(117, 76, 190) }
```

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

```
.border{ border-color:rgb(117, 76, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 76, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 76, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 76, 190); box-shadow:4px 4px 4px 4px rgb(117, 76, 190) }
```

Background

The CSS property to change the background color of an element to Yxy 12.6685, 0.2342, 0.1544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 76, 190) }
```

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

```
.background{ background-color: rgb(117, 76,  
190) }
```

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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