

Converting Colors

$Y_{xy}(12.3862, 0.1985, 0.1095)$

Have a look what the booklet for
Yxy(12.3862, 0.1985, 0.1095)
contains.

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Color

Yxy(12.3465, 0.1984, 0.1092)

Conversions

Conversions Part 1

Format	Color
Hex	6B3DE9
RGB	107, 61, 233
RGB Percent	42%, 24%, 91%
CMY	0.5807, 0.7606, 0.0863
CMYK	0.54, 0.74, 0.00, 0.09
HSL	256°, 80%, 58%
HSV	256°, 74%, 91%
XYZ	22.4317, 12.3465, 78.2850
YIQ	94.3620, -27.7960, 63.2440

Conversions

Conversions Part 2

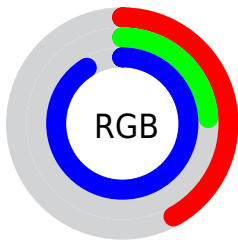
Format	Color
R_{YB}	107, 61, 233
Decimal	7028201
CIE _{Lab}	41.76, 60.02, -79.58
CIE _{LCh}	42, 99.677, 307.022
Yxy	12.3465, 0.1984, 0.1092
Android (android.graphics.Color)	4285218281 (0xFF6B3DE9)
YUV	94.3620, 68.3485, 11.0835
Hunter-Lab	35.1376, 52.4631, -107.4991

Details

The Yxy color **12.3465, 0.1984, 0.1092** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **69.1905, 0.3746, 0.5132**, and the grayscale version is **11.1254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4653, 0.2435, 0.1659**, and **3.4476, 0.1583, 0.0649** is the 20% darker color. If you saturate the color by 10%, you get **9.4188, 0.1833, 0.0881**, and if you desaturate by 10%, it is **16.5636, 0.2155, 0.1361**.

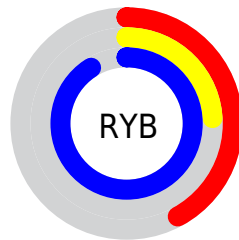
Distribution



Red (42%)

Green (24%)

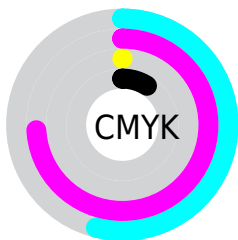
Blue (91%)



Red (42%)

Yellow (24%)

Blue (91%)

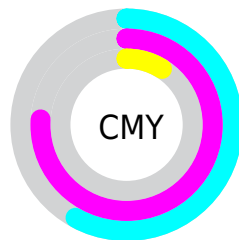


Cyan (54%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (58%)


Magenta (76%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3465, 0.1984, 0.1092 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 12.3465, 0.1984, 0.1092 by changing the saturation by 10% instead.


 12.3465, 0.1984,
0.1092


 12.3465, 0.1984,
0.1092


206.6859, 0.2646,
0.2125


 6.9801, 0.1808,
0.0883


 30.1246, 0.2237,
0.1436


 3.4497, 0.1584,
0.0650


 43.3052, 0.2329,
0.1575


 1.3708, 0.1299,
0.0404

 59.8592, 0.2406,
0.1697

 0.1950, 0.0952,
0.0096

 80.1712, 0.2470,
0.1805

 0.0000, 0.0519,
0.0000

 104.6254, 0.2524,
0.1899

 0.0000, 0.0000,
0.0000

133.6064, 0.2571,

0.1983

167.4984, 0.2611,
0.2058

■ 12.3465, 0.1984,
0.1092

■ 12.3465, 0.1984,
0.1092

■ 9.4188, 0.1833,
0.0881

■ 16.5636, 0.2155,
0.1361

■ 7.6161, 0.1711,
0.0741

■ 22.2048, 0.2334,
0.1670

■ 6.9120, 0.1651,
0.0683

■ 29.3884, 0.2511,
0.1997

■ 38.2197, 0.2679,
0.2325

■ 48.7947, 0.2832,
0.2639

61.2017, 0.2968,
0.2931

75.5233, 0.3087,
0.3197

91.8366, 0.3189,
0.3434

98.6627, 0.3256,
0.3503

Harmonies

Analogous

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



12.3465, 0.1023, 0.0933



12.3465, 0.1984, 0.1092



12.3465, 0.3828, 0.1571

Triad

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



12.3465, 0.1984, 0.1092



12.3465, 0.5950, 0.4050



12.3465, 0.0757, 0.3640

Complementary

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



12.3465, 0.1984, 0.1092



69.1905, 0.3746, 0.5132

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.



12.3465, 0.1611, 0.6732



12.3465, 0.1984, 0.1092



12.3465, 0.4498, 0.5502

Square

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



12.3465, 0.1984, 0.1092



12.3465, 0.6716, 0.3075



12.3465, 0.2935, 0.7065



12.3465, 0.0518, 0.1730

Rectangle

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



12.3465, 0.1984, 0.1092



12.3465, 0.5348, 0.2051



12.3465, 0.2935, 0.7065



12.3465, 0.0963, 0.4688

Sweetspot

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



12.3468, 0.1984, 0.1092



62.2969, 0.2856, 0.2690



42.4770, 0.2147, 0.2649



12.5082, 0.2817, 0.2607



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.3468, 0.1984, 0.1092



10.1569, 0.1760, 0.0793



20.5464, 0.2780, 0.1490



14.7433, 0.3021, 0.3049



3.9740, 0.1664, 0.0690



0.3578, 0.1805, 0.0768

Inverse Universe

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



24.2583, 0.3752, 0.2057



26.0083, 0.3925, 0.1984



61.3871, 0.3182, 0.5522



15.2412, 0.3179, 0.3119



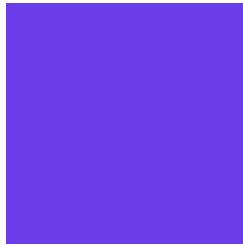
11.5163, 0.4022, 0.1989



0.9201, 0.3884, 0.1913

Previews

White Background



This preview shows how the Yxy color 12.3465, 0.1984, 0.1092 looks on a white background.

Color Contrast Check

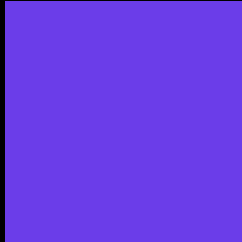
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3465, 0.1984, 0.1092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

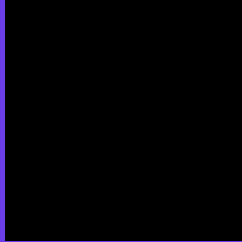
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3465, 0.1984, 0.1092

Background



This preview shows how black text looks on a background with the Yxy color 12.3465, 0.1984, 0.1092.



This preview shows how white text looks on a background with the Yxy color 12.3465, 0.1984, 0.1092.

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

12.3465, 0.1984, 0.1092

Protanopia

12.3545, 0.1746, 0.1486

Deuteranopia

12.2476, 0.1861, 0.1899



Tritanopia

12.2511, 0.2552, 0.3072

Trichromacy



Original Color

12.3465, 0.1984, 0.1092

Protanomaly

11.3713, 0.1741, 0.1252

Deuteranomaly

10.9820, 0.1798, 0.1421

Tritanomaly

11.1631, 0.2255, 0.1941

Monochromacy



Original Color

12.3465, 0.1984, 0.1092

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7316, 0.2545, 0.2057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3465, 0.1984, 0.1092 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(107, 61, 233)` looks like.

```
.text, #text, p{  
    color:rgb(107, 61, 233)  
}
```

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(107, 61, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 61, 233) }
```

Border

The CSS property to change the border of an element to Yxy 12.3465, 0.1984, 0.1092 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(107, 61, 233) }
```

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

```
.border{ border-color:rgb(107, 61, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 61, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 61, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 61, 233); box-shadow:4px 4px 4px 4px rgb(107, 61, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3465, 0.1984, 0.1092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 61, 233) }
```

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

```
.background{ background-color: rgb(107, 61,  
233) }
```

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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