

Converting Colors

$Y_{xy}(40.6133, 0.2208, 0.1680)$

Have a look what the booklet for
Yxy(40.6133, 0.2208, 0.1680)
contains.

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Color

Yxy(36.8192, 0.2444, 0.2042)

Conversions

Conversions Part 1

Format	Color
Hex	A396FF
RGB	163, 150, 255
RGB Percent	64%, 59%, 100%
CMY	0.3607, 0.4118, 0.0000
CMYK	0.36, 0.41, 0.00, 0.00
HSL	247°, 100%, 79%
HSV	247°, 41%, 100%
XYZ	44.0676, 36.8192, 99.4227
YIQ	165.8570, -25.9570, 35.4110

Conversions

Conversions Part 2

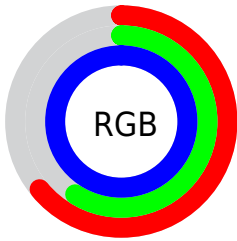
Format	Color
RYB	163, 150, 255
Decimal	10721023
CIELab	67.14, 28.62, -50.68
CIElCh	67, 58.207, 299.453
Yxy	36.8192, 0.2444, 0.2042
Android (android.graphics.Color)	4288911103 (0xFFA396FF)
YUV	165.8570, 43.9475, -2.5056
Hunter-Lab	60.6788, 23.4466, -54.6719

Details

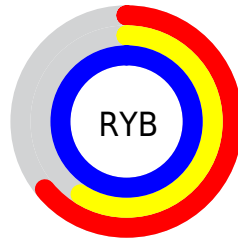
The Yxy color **36.8192, 0.2444, 0.2042** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.5937, 0.3655, 0.4345**, and the grayscale version is **37.8536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7779, 0.2908, 0.2754**, and **16.1267, 0.2245, 0.1747** is the 20% darker color. If you saturate the color by 10%, you get **27.3935, 0.2243, 0.1695**, and if you desaturate by 10%, it is **48.4297, 0.2637, 0.2384**.

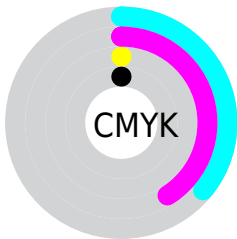
Distribution



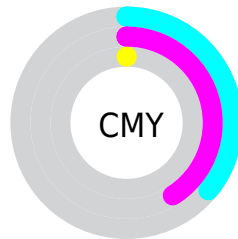
- Red (64%)
- Green (59%)
- Blue (100%)



- Red (64%)
- Yellow (59%)
- Blue (100%)



- Cyan (36%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8192, 0.2444, 0.2042 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 36.8192, 0.2444, 0.2042 by changing the saturation by 10% instead.

 36.8192, 0.2444,
0.2042


 36.8192, 0.2444,
0.2042


332.5271, 0.2795,
0.2627

 25.0675, 0.2357,
0.1911


 70.2946, 0.2572,
0.2244

 16.1274, 0.2247,
0.1751


 92.7872, 0.2620,
0.2323

 9.6143, 0.2103,
0.1555


119.6288, 0.2660,
0.2391

 5.1440, 0.1912,
0.1310

151.2039, 0.2695,
0.2450

 2.3320, 0.1650,
0.1004

187.8969, 0.2725,
0.2503

 0.7906, 0.1285,
0.0632

230.0922, 0.2751,


 0.0000, 0.0690,


0.2549


0.0000


278.1741, 0.2775,
0.2590


 0.0000, 0.0000,
0.0000

 36.8192, 0.2444,
0.2042


 36.8192, 0.2444,
0.2042

 27.3935, 0.2243,
0.1695


 48.4297, 0.2637,
0.2384


 20.0178, 0.2044,
0.1362


 62.3540, 0.2815,
0.2706


 14.5372, 0.1861,
0.1070

 78.7073, 0.2973,
0.2999

 10.7761, 0.1709,
0.0840

 97.5981, 0.3112,
0.3261

 8.5254, 0.1598,
0.0690

 100.0000, 0.3127,
0.3290

■ 7.5213, 0.1537,
0.0620

Harmonies

Analogous

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



36.8192, 0.1903, 0.2011



36.8192, 0.2444, 0.2042



36.8192, 0.3259, 0.2315

Triad

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



36.8192, 0.2444, 0.2042



36.8192, 0.4813, 0.3992



36.8192, 0.2120, 0.3795

Complementary

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



36.8192, 0.2444, 0.2042



92.5937, 0.3655, 0.4345

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.



36.8192, 0.2814, 0.4653



36.8192, 0.2444, 0.2042



36.8192, 0.4374, 0.4581

Square

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



36.8192, 0.2444, 0.2042



36.8192, 0.4757, 0.3365



36.8192, 0.3639, 0.4915



36.8192, 0.1728, 0.2872

Rectangle

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



36.8192, 0.2444, 0.2042



36.8192, 0.3868, 0.2609



36.8192, 0.3639, 0.4915



36.8192, 0.2323, 0.4119

Sweetspot

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



36.8182, 0.2444, 0.2042



77.2728, 0.2961, 0.2976



77.6541, 0.2539, 0.3150



16.0577, 0.2941, 0.2940



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.



36.8182, 0.2444, 0.2042



29.2687, 0.2287, 0.1770



43.4382, 0.2840, 0.2168



17.4857, 0.2998, 0.3045



3.9635, 0.1545, 0.0625



0.4184, 0.1621, 0.0667

Inverse Universe

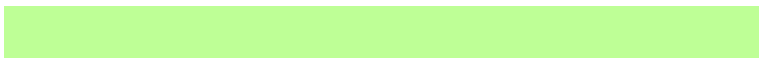
The Inverse Universe completely reimagines the original color for something new.



49.4786, 0.3284, 0.2384



43.5000, 0.3320, 0.2226



84.7003, 0.3307, 0.4478



18.2593, 0.3157, 0.3084



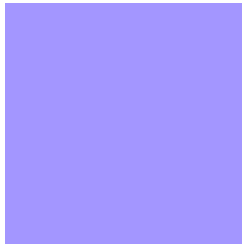
13.9181, 0.3550, 0.1729



1.3656, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 36.8192, 0.2444, 0.2042 looks on a white background.

Color Contrast Check

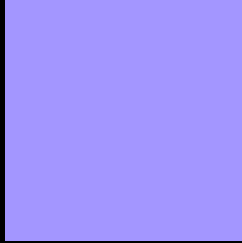
Large Text (above 18pt) WCAG AA × Fail

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 36.8192, 0.2444, 0.2042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

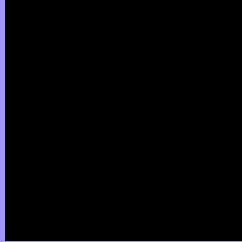
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8192, 0.2444, 0.2042

Background



This preview shows how black text looks on a background with the Yxy color 36.8192, 0.2444, 0.2042.



This preview shows how white text looks on a background with the Yxy color 36.8192, 0.2444, 0.2042.

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

36.8192, 0.2444, 0.2042

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

37.0742, 0.2212, 0.2150



Tritanopia

36.6787, 0.2837, 0.3085

Trichromacy



Original Color

36.8192, 0.2444, 0.2042

Protanomaly

36.6597, 0.2311, 0.2070

Deuteranomaly

36.6139, 0.2283, 0.2101

Tritanomaly

36.3220, 0.2681, 0.2647

Monochromacy



Original Color

36.8192, 0.2444, 0.2042

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.2182, 0.2855, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8192, 0.2444, 0.2042 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(163, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 150, 255)  
}
```

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(163, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.8192, 0.2444, 0.2042 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(163, 150, 255) }
```

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

```
.border{ border-color:rgb(163, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8192, 0.2444, 0.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 150, 255) }
```

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

```
.background{ background-color: rgb(163,  
150, 255) }
```

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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