

Converting Colors

$Y_{xy}(37.7731, 0.3190, 0.2264)$

Have a look what the booklet for
Yxy(37.7731, 0.3190, 0.2264)
contains.

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Color

Yxy(37.7324, 0.3195, 0.2264)

Conversions

Conversions Part 1

Format	Color
Hex	E382E1
RGB	227, 130, 225
RGB Percent	89%, 51%, 88%
CMY	0.1098, 0.4902, 0.1178
CMYK	0.00, 0.43, 0.01, 0.11
HSL	301°, 63%, 70%
HSV	301°, 43%, 89%
XYZ	53.2487, 37.7324, 75.6815
YIQ	169.8330, 27.3170, 50.1090

Conversions

Conversions Part 2

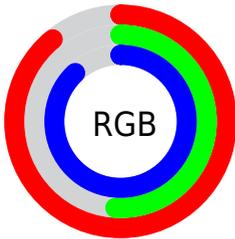
Format	Color
RYB	227, 130, 225
Decimal	14910177
CIELab	67.82, 50.88, -32.64
CIELCh	68, 60.450, 327.319
Yxy	37.7324, 0.3195, 0.2264
Android (android.graphics.Color)	4293100257 (0xFFE382E1)
YUV	169.8330, 27.1973, 50.1355
Hunter-Lab	61.4267, 47.2387, -30.0502

Details

The Yxy color **37.7324, 0.3195, 0.2264** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.3563, 0.3054, 0.4588**, and the grayscale version is **39.9642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **16.7184, 0.3200, 0.2027** is the 20% darker color. If you saturate the color by 10%, you get **32.3200, 0.3211, 0.2055**, and if you desaturate by 10%, it is **44.4802, 0.3179, 0.2495**.

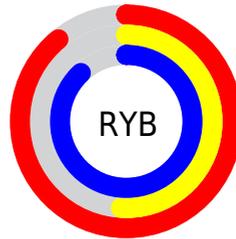
Distribution



Red (89%)

Green (51%)

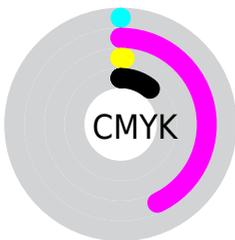
Blue (88%)



Red (89%)

Yellow (51%)

Blue (88%)

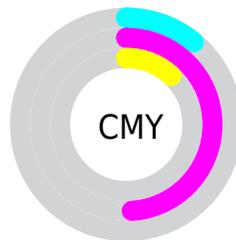


Cyan (0%)

Magenta (43%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (49%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7324, 0.3195, 0.2264 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 37.7324, 0.3195, 0.2264 by changing the saturation by 10% instead.

 37.7324, 0.3195,
0.2264

 37.7324, 0.3195,
0.2264

336.4706, 0.3178,
0.2746

 25.7751, 0.3195,
0.2154

 71.6978, 0.3192,
0.2432

 16.6554, 0.3192,
0.2018

 94.4746, 0.3190,
0.2497

 9.9891, 0.3184,
0.1848

 121.6268, 0.3188,
0.2553

 5.3918, 0.3165,
0.1628

153.5386, 0.3186,
0.2601

 2.4789, 0.3126,
0.1340

190.5945, 0.3184,
0.2644

 0.8660, 0.3036,
0.0955

233.1789, 0.3182,

 0.0000, 0.2948,

0.2682

0.0000

281.6761, 0.3180,
0.2715

 0.0000, 0.0000,
0.0000

 37.7324, 0.3195,
0.2264

 37.7324, 0.3195,
0.2264

 32.3200, 0.3211,
0.2055

 44.4802, 0.3179,
0.2495

 28.1495, 0.3225,
0.1878

 52.6390, 0.3162,
0.2737

 25.1233, 0.3238,
0.1739

 62.2844, 0.3146,
0.2983

 23.1268, 0.3249,
0.1643

 73.4855, 0.3131,
0.3225

 22.0221, 0.3258,
0.1590

 86.3069, 0.3117,
0.3458

 21.6176, 0.3263,
0.1571

 93.4443, 0.3109,
0.3568

 93.4710, 0.3106,
0.3563

 93.4977, 0.3104,
0.3558

 93.5244, 0.3101,
0.3553

Harmonies

Analogous

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



37.7324, 0.2375, 0.2001



37.7324, 0.3195, 0.2264



37.7324, 0.4123, 0.2728

Triad

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



37.7324, 0.3195, 0.2264



37.7324, 0.4447, 0.4571



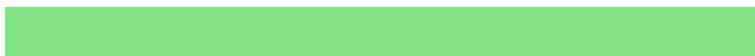
37.7324, 0.1710, 0.2915

Complementary

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



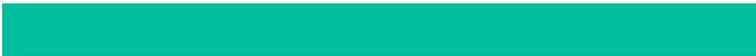
37.7324, 0.3195, 0.2264



61.3563, 0.3054, 0.4588

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.



37.7324, 0.2132, 0.3883



37.7324, 0.3195, 0.2264



37.7324, 0.3706, 0.4955

Square

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



37.7324, 0.3195, 0.2264



37.7324, 0.4873, 0.3955



37.7324, 0.2860, 0.4744



37.7324, 0.1624, 0.2269

Rectangle

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



37.7324, 0.3195, 0.2264



37.7324, 0.4614, 0.3112



37.7324, 0.2860, 0.4744



37.7324, 0.1812, 0.3213

Sweetspot

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



37.7341, 0.3195, 0.2264



80.5979, 0.3147, 0.2975



26.3899, 0.2340, 0.1972



16.6209, 0.3150, 0.2920



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.



37.7341, 0.3195, 0.2264



42.9590, 0.3209, 0.2083



35.4701, 0.3691, 0.2751



14.6097, 0.3141, 0.3063



12.6089, 0.3262, 0.1571



0.9334, 0.3254, 0.1566

Inverse Universe

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



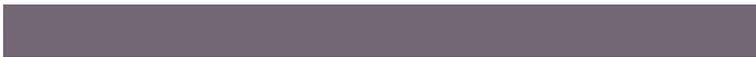
37.7341, 0.3195, 0.2264



42.9590, 0.3209, 0.2083



62.9892, 0.2791, 0.3913



14.6097, 0.3141, 0.3063



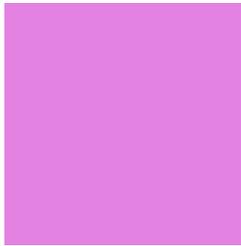
12.6089, 0.3262, 0.1571



0.9334, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 37.7324, 0.3195, 0.2264 looks on a white background.

Color Contrast Check

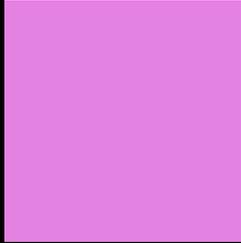
Large Text (above 18pt) WCAG AA × Fail

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 37.7324, 0.3195, 0.2264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

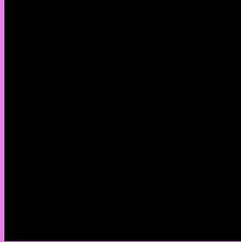
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7324, 0.3195, 0.2264

Background



This preview shows how black text looks on a background with the Yxy color 37.7324, 0.3195, 0.2264.

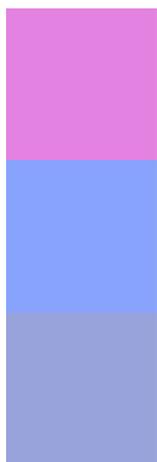


This preview shows how white text looks on a background with the Yxy color 37.7324, 0.3195, 0.2264.

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

37.7324, 0.3195, 0.2264

Protanopia

38.3103, 0.2310, 0.2185

Deuteranopia

37.9843, 0.2604, 0.2547



Tritanopia

37.5565, 0.3787, 0.3158

Trichromacy



Original Color

37.7324, 0.3195, 0.2264



Protanomaly

36.8689, 0.2559, 0.2182



Deuteranomaly

36.9374, 0.2793, 0.2415



Tritanomaly

37.4645, 0.3562, 0.2808

Monochromacy



Original Color

37.7324, 0.3195, 0.2264



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.2368, 0.3158, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7324, 0.3195, 0.2264 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(227, 130, 225)` looks like.

```
.text, #text, p{  
    color:rgb(227, 130, 225)  
}
```

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(227, 130, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 130, 225) }
```

Border

The CSS property to change the border of an element to Yxy 37.7324, 0.3195, 0.2264 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(227, 130, 225) }
```

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

```
.border{ border-color:rgb(227, 130, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 130, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 130, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 130, 225);  
box-shadow:4px 4px 4px 4px rgb(227, 130,  
225) }
```

Background

The CSS property to change the background color of an element to Yxy 37.7324, 0.3195, 0.2264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 130, 225) }
```

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

```
.background{ background-color: rgb(227,  
130, 225) }
```

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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