

Converting Colors

$Yxy(77.4731, 0.3109, 0.3261)$

Have a look what the booklet for
Yxy(77.4731, 0.3109, 0.3261)
contains.

Yxy(77.6940, 0.3114, 0.3269)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(77.6940, 0.3114, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	E4E4E6
RGB	228, 228, 230
RGB Percent	89%, 89%, 90%
CMY	0.1061, 0.1058, 0.0980
CMYK	0.01, 0.01, 0.00, 0.10
HSL	238°, 4%, 90%
HSV	238°, 1%, 90%
XYZ	74.0101, 77.6940, 85.9649
YIQ	228.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

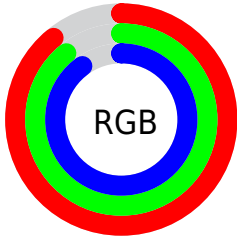
Format	Color
R _Y B	228, 228, 230
Decimal	15000806
CIE Lab	90.64, 0.34, -0.99
CIE LCh	91, 1.044, 289.047
Yxy	77.6940, 0.3114, 0.3269
Android (android.graphics.Color)	4293190886 (0xFFE4E4E6)
YUV	228.2280, 0.8736, -0.2000
Hunter-Lab	88.1442, -4.3751, 3.8769

Details

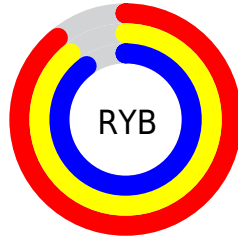
The Yxy color **77.6940, 0.3114, 0.3269** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.9838, 0.3140, 0.3311**, and the grayscale version is **77.7500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8665, 0.3111, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **62.7306, 0.2956, 0.3017**, and if you desaturate by 10%, it is **94.7361, 0.3252, 0.3489**.

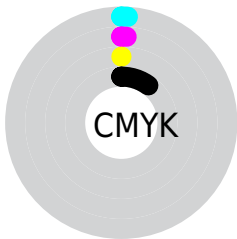
Distribution



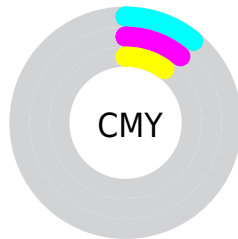
- Red (89%)
- Green (89%)
- Blue (90%)



- Red (89%)
- Yellow (89%)
- Blue (90%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (11%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6940, 0.3114, 0.3269 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 77.6940, 0.3114, 0.3269 by changing the saturation by 10% instead.

■ 77.6940, 0.3114,
0.3269

■ 77.6940, 0.3114,
0.3269

487.1270, 0.3120,
0.3279

■ 57.8226, 0.3113,
0.3267

130.1187, 0.3116,
0.3272

■ 41.6661, 0.3111,
0.3264

163.4408, 0.3117,
0.3274

■ 28.8399, 0.3109,
0.3261

202.0152, 0.3118,
0.3275

■ 18.9598, 0.3106,
0.3256

246.2265, 0.3118,
0.3276

■ 11.6412, 0.3102,
0.3250

296.4589, 0.3119,
0.3277

■ 6.4999, 0.3097,
0.3242

353.0968, 0.3119,

■ 3.1513, 0.3089,

0.3277

0.3229

416.5247, 0.3120,
0.3278

■ 1.2112, 0.3074,
0.3206

■ 0.0709, 0.2585,
0.2421

■ 77.6940, 0.3114,
0.3269

■ 77.6940, 0.3114,
0.3269

■ 62.7306, 0.2956,
0.3017

■ 94.7361, 0.3252,
0.3489

■ 49.7569, 0.2778,
0.2731

■ 98.4937, 0.3274,
0.3532

■ 38.6920, 0.2582,
0.2415

■ 29.4460, 0.2373,
0.2075

■ 21.9214, 0.2160,
0.1726

■ 16.0120, 0.1956,
0.1388

■ 11.5995, 0.1776,
0.1088

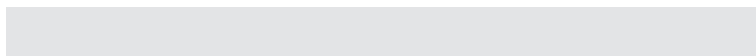
■ 8.5495, 0.1636,
0.0849

■ 6.7037, 0.1546,
0.0690

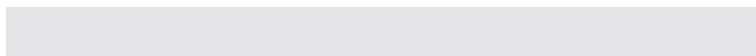
Harmonies

Analogous

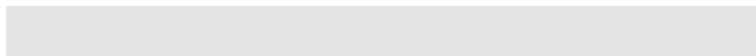
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6940, 0.3106, 0.3272



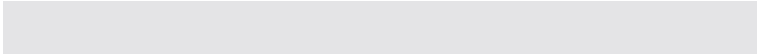
77.6940, 0.3114, 0.3269



77.6940, 0.3126, 0.3272

Triad

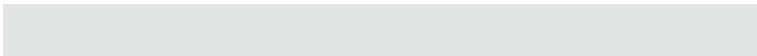
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6940, 0.3114, 0.3269



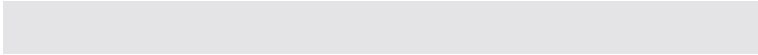
77.6940, 0.3151, 0.3301



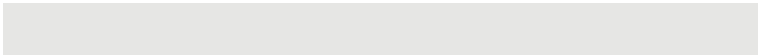
77.6940, 0.3117, 0.3301

Complementary

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



77.6940, 0.3114, 0.3269



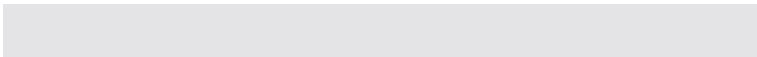
78.9838, 0.3140, 0.3311

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.



77.6940, 0.3129, 0.3309



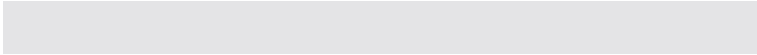
77.6940, 0.3114, 0.3269



77.6940, 0.3149, 0.3309

Square

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



77.6940, 0.3114, 0.3269



77.6940, 0.3147, 0.3290



77.6940, 0.3141, 0.3312



77.6940, 0.3107, 0.3290

Rectangle

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



77.6940, 0.3114, 0.3269



77.6940, 0.3134, 0.3277



77.6940, 0.3141, 0.3312



77.6940, 0.3120, 0.3304

Sweetspot

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



77.6973, 0.3114, 0.3269

100.0000, 0.3127, 0.3290



78.7931, 0.3114, 0.3291



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



77.6973, 0.3114, 0.3269



97.9577, 0.3112, 0.3266



77.8110, 0.3120, 0.3268



16.7367, 0.3113, 0.3268



3.3656, 0.1506, 0.0622



0.2765, 0.1523, 0.0683

Inverse Universe

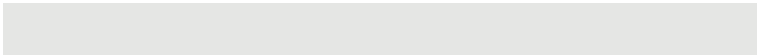
The Inverse Universe completely reimagines the original color for something new.



77.8866, 0.3141, 0.3289



98.2261, 0.3143, 0.3289



78.8696, 0.3134, 0.3312



16.7798, 0.3142, 0.3289



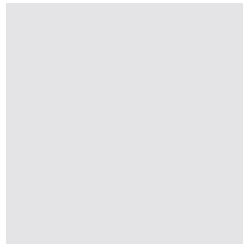
9.5375, 0.6364, 0.3279



0.7076, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 77.6940, 0.3114, 0.3269 looks on a white background.

Color Contrast Check

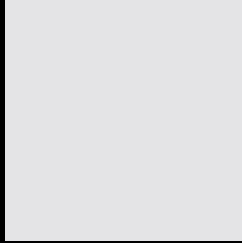
Large Text (above 18pt) WCAG AA × Fail

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 77.6940, 0.3114, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

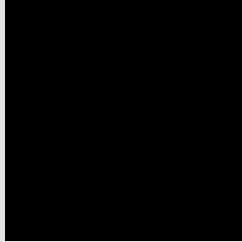
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

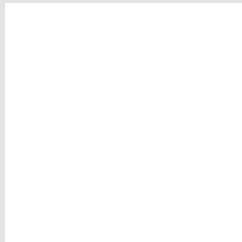
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6940, 0.3114, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 77.6940, 0.3114, 0.3269.

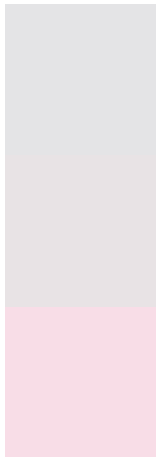


This preview shows how white text looks on a background with the Yxy color 77.6940, 0.3114, 0.3269.

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

77.6940, 0.3114, 0.3269

Protanopia

77.7511, 0.3149, 0.3269

Deuteranopia

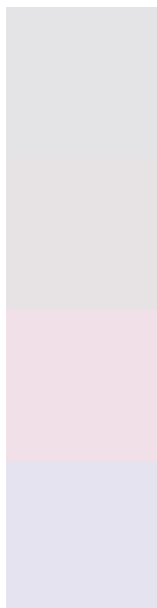
77.4389, 0.3253, 0.3189



Tritanopia

77.7474, 0.3040, 0.3104

Trichromacy



Original Color

77.6940, 0.3114, 0.3269

Protanomaly

77.5842, 0.3142, 0.3269

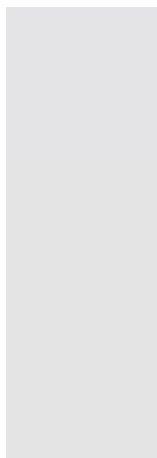
Deuteranomaly

77.7816, 0.3201, 0.3218

Tritanomaly

77.8282, 0.3065, 0.3165

Monochromacy



Original Color

77.6940, 0.3114, 0.3269

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6379, 0.3121, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6940, 0.3114, 0.3269 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(228, 228, 230)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 230)  
}
```

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(228, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.6940, 0.3114, 0.3269 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(228, 228, 230) }
```

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

```
.border{ border-color:rgb(228, 228, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
230) }
```

Background

The CSS property to change the background color of an element to Yxy 77.6940, 0.3114, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 230) }
```

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

```
.background{ background-color: rgb(228,  
228, 230) }
```

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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