

Converting Colors

$Yxy(77.8469, 0.3135, 0.3289)$

Have a look what the booklet for
Yxy(77.8469, 0.3135, 0.3289)
contains.

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Color

Yxy(77.7463, 0.3134, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E5E4E4
RGB	229, 228, 228
RGB Percent	90%, 89%, 89%
CMY	0.1020, 0.1059, 0.1059
CMYK	0.00, 0.00, 0.00, 0.10
HSL	0°, 2%, 90%
HSV	0°, 0%, 90%
XYZ	74.0598, 77.7463, 84.5048
YIQ	228.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

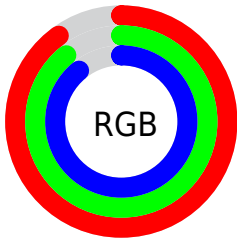
Format	Color
R _Y B	229, 228, 228
Decimal	15066340
CIE Lab	90.66, 0.34, 0.11
CIE LCh	91, 0.357, 17.447
Yxy	77.7463, 0.3134, 0.3290
Android (android.graphics.Color)	4293256420 (0xFFE5E4E4)
YUV	228.2990, -0.1474, 0.6148
Hunter-Lab	88.1739, -4.3768, 4.8989

Details

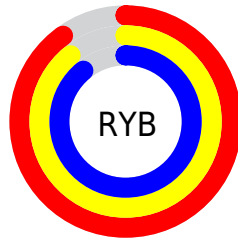
The Yxy color `77.7463, 0.3134, 0.3290` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78.1895, 0.3120, 0.3290`, and the grayscale version is `77.8161, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.9029, 0.3136, 0.3290` is the 20% darker color. If you saturate the color by 10%, you get `64.7901, 0.3312, 0.3291`, and if you desaturate by 10%, it is `92.5446, 0.2992, 0.3289`.

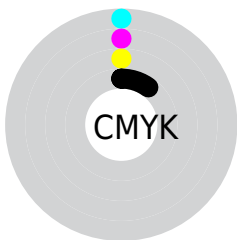
Distribution



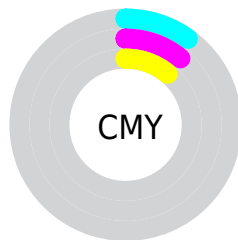
- Red (90%)
- Green (89%)
- Blue (89%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7463, 0.3134, 0.3290 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 77.7463, 0.3134, 0.3290 by changing the saturation by 10% instead.

■ 77.7463, 0.3134,
0.3290

■ 77.7463, 0.3134,
0.3290

487.3048, 0.3131,
0.3290

■ 57.8656, 0.3135,
0.3290

130.1924, 0.3133,
0.3290

■ 41.7006, 0.3136,
0.3290

163.5266, 0.3133,
0.3290

■ 28.8669, 0.3137,
0.3290

202.1141, 0.3132,
0.3290

■ 18.9802, 0.3138,
0.3290

246.3393, 0.3132,
0.3290

■ 11.6560, 0.3140,
0.3290

296.5866, 0.3132,
0.3290

■ 6.5099, 0.3143,
0.3290

353.2403, 0.3131,

■ 3.1575, 0.3147,

0.3290

416.6849, 0.3131,
0.3290

0.3290

1.2145, 0.3154,
0.3289

0.0735, 0.3486,
0.3278

77.7463, 0.3134,
0.3290

77.7463, 0.3134,
0.3290

64.7901, 0.3312,
0.3291

92.5446, 0.2992,
0.3289

53.5944, 0.3535,
0.3292

95.3978, 0.2970,
0.3290

44.0863, 0.3813,
0.3292

36.1841, 0.4156,
0.3294

■ 29.7991, 0.4566,
0.3295

■ 24.8342, 0.5030,
0.3296

■ 21.1810, 0.5512,
0.3298

■ 18.7154, 0.5943,
0.3299

■ 17.2899, 0.6249,
0.3300

Harmonies

Analogous

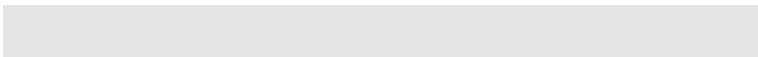
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7463, 0.3131, 0.3286



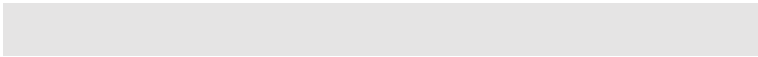
77.7463, 0.3134, 0.3290



77.7463, 0.3135, 0.3294

Triad

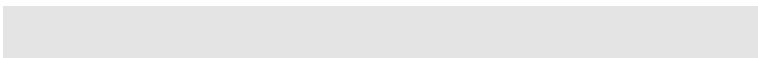
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7463, 0.3134, 0.3290



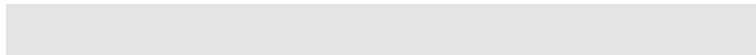
77.7463, 0.3128, 0.3297



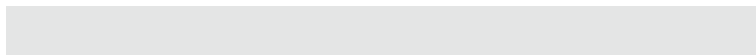
77.7463, 0.3120, 0.3284

Complementary

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



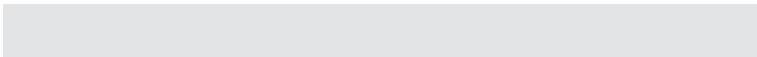
77.7463, 0.3134, 0.3290



78.1895, 0.3120, 0.3290

Split Complementary

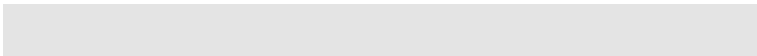
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7463, 0.3119, 0.3287



77.7463, 0.3134, 0.3290



77.7463, 0.3124, 0.3294

Square

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



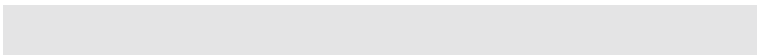
77.7463, 0.3134, 0.3290



77.7463, 0.3132, 0.3298



77.7463, 0.3121, 0.3290



77.7463, 0.3123, 0.3283

Rectangle

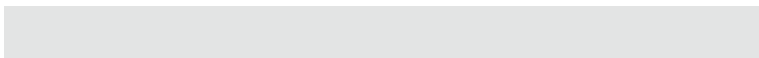
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



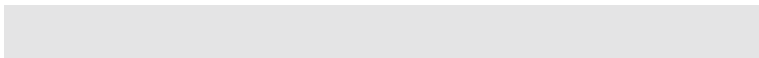
77.7463, 0.3134, 0.3290



77.7463, 0.3135, 0.3296



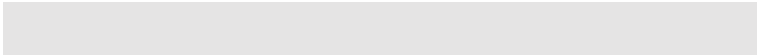
77.7463, 0.3121, 0.3290



77.7463, 0.3119, 0.3285

Sweetspot

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



77.7496, 0.3134, 0.3290

100.0000, 0.3127, 0.3290



77.8047, 0.3128, 0.3280



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

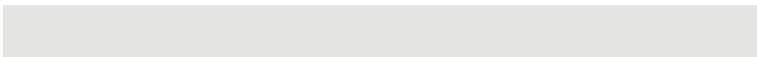
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7496, 0.3134, 0.3290



98.2215, 0.3143, 0.3290



78.0229, 0.3134, 0.3295



16.7791, 0.3142, 0.3290



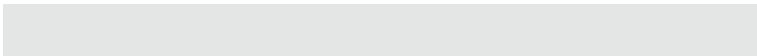
9.5263, 0.6400, 0.3300



0.7044, 0.6399, 0.3301

Inverse Universe

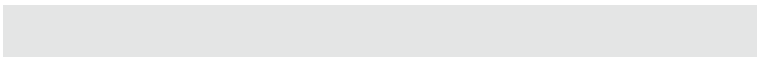
The Inverse Universe completely reimagines the original color for something new.



78.1895, 0.3120, 0.3290



99.5187, 0.3111, 0.3290



77.9154, 0.3121, 0.3285



16.9872, 0.3112, 0.3290



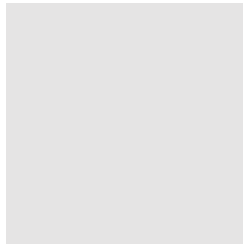
35.2358, 0.2246, 0.3286



2.6042, 0.2246, 0.3286

Previews

White Background



This preview shows how the Yxy color 77.7463, 0.3134, 0.3290 looks on a white background.

Color Contrast Check

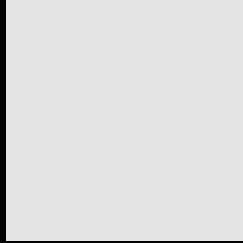
Large Text (above 18pt) WCAG AA × Fail

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 77.7463, 0.3134, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

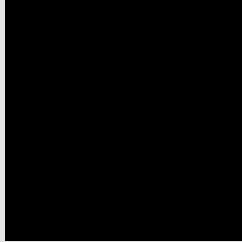
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

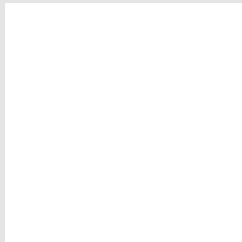
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7463, 0.3134, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 77.7463, 0.3134, 0.3290.

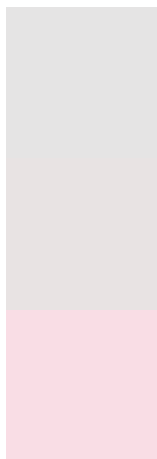


This preview shows how white text looks on a background with the Yxy color 77.7463, 0.3134, 0.3290.

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

77.7463, 0.3134, 0.3290

Protanopia

77.6400, 0.3162, 0.3290

Deuteranopia

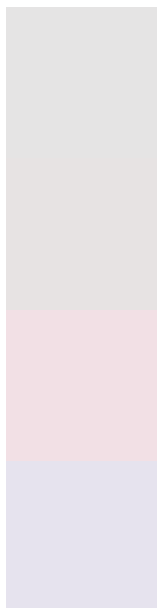
77.5098, 0.3274, 0.3210



Tritanopia

77.8527, 0.3053, 0.3114

Trichromacy



Original Color

77.7463, 0.3134, 0.3290

Protanomaly

77.4731, 0.3155, 0.3290

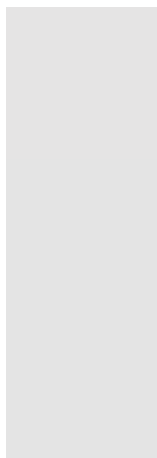
Deuteranomaly

77.8457, 0.3221, 0.3239

Tritanomaly

77.9342, 0.3078, 0.3176

Monochromacy



Original Color

77.7463, 0.3134, 0.3290

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5822, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7463, 0.3134, 0.3290 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(229, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 228)  
}
```

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(229, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 228) }
```

Border

The CSS property to change the border of an element to Yxy 77.7463, 0.3134, 0.3290 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(229, 228, 228) }
```

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

```
.border{ border-color:rgb(229, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 228, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 228, 228); box-shadow:4px 4px 4px 4px rgb(229, 228, 228) }
```

Background

The CSS property to change the background color of an element to Yxy 77.7463, 0.3134, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 228) }
```

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

```
.background{ background-color: rgb(229,  
228, 228) }
```

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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