

Converting Colors

$Yxy(77.0742, 0.3025, 0.3262)$

Have a look what the booklet for
Yxy(77.0742, 0.3025, 0.3262)
contains.

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Color

Yxy(77.1715, 0.3027, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	D9E6E8
RGB	217, 230, 232
RGB Percent	85%, 90%, 91%
CMY	0.1490, 0.0980, 0.0901
CMYK	0.06, 0.01, 0.00, 0.09
HSL	188°, 25%, 88%
HSV	188°, 6%, 91%
XYZ	71.4805, 77.1715, 87.4909
YIQ	226.3410, -8.3900, -2.1340

Conversions

Conversions Part 2

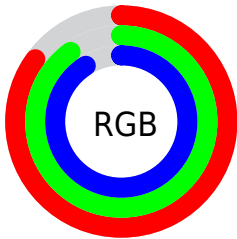
Format	Color
RYB	217, 224, 232
Decimal	14280424
CIELab	90.40, -3.93, -2.49
CIELCh	90, 4.650, 212.340
Yxy	77.1715, 0.3027, 0.3268
Android (android.graphics.Color)	4292470504 (0xFFD9E6E8)
YUV	226.3410, 2.7899, -8.1921
Hunter-Lab	87.8473, -8.4892, 2.4436

Details

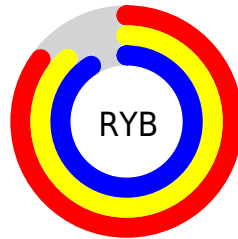
The Yxy color **77.1715, 0.3027, 0.3268** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.8469, 0.3235, 0.3312**, and the grayscale version is **76.2998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4759, 0.3006, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **72.1411, 0.2876, 0.3231**, and if you desaturate by 10%, it is **82.7396, 0.3182, 0.3301**.

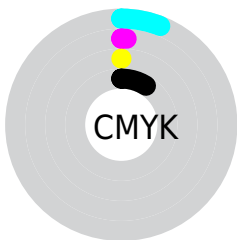
Distribution



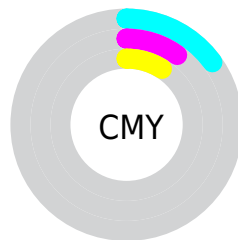
- Red (85%)
- Green (90%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1715, 0.3027, 0.3268 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 77.1715, 0.3027, 0.3268 by changing the saturation by 10% instead.

■ 77.1715, 0.3027,
0.3268

■ 77.1715, 0.3027,
0.3268

485.3486, 0.3073,
0.3278

■ 57.3936, 0.3017,
0.3266

129.3815, 0.3043,
0.3272

■ 41.3214, 0.3004,
0.3263

162.5825, 0.3049,
0.3273

■ 28.5703, 0.2988,
0.3259

201.0267, 0.3054,
0.3274

■ 18.7560, 0.2967,
0.3254

245.0983, 0.3059,
0.3275

■ 11.4941, 0.2939,
0.3247

295.1820, 0.3063,
0.3276

■ 6.4002, 0.2899,
0.3237

351.6620, 0.3067,

■ 3.0899, 0.2837,

0.3277

0.3221

414.9227, 0.3070,
0.3278

■ 1.1789, 0.2731,
0.3192

■ 0.0443, 0.0000,
0.1664

■ 77.1715, 0.3027,
0.3268

■ 77.1715, 0.3027,
0.3268

■ 72.1411, 0.2876,
0.3231

■ 82.7396, 0.3182,
0.3301

■ 67.6175, 0.2731,
0.3192

■ 87.2255, 0.3281,
0.3332

■ 63.5818, 0.2597,
0.3149

■ 89.0441, 0.3277,
0.3363

■ 60.0098, 0.2476,
0.3105

■ 90.8944, 0.3274,
0.3393

■ 56.8752, 0.2370,
0.3058

■ 92.7765, 0.3271,
0.3423

■ 54.1490, 0.2282,
0.3011

■ 94.6906, 0.3268,
0.3453

■ 51.7981, 0.2214,
0.2963

■ 96.6369, 0.3265,
0.3483

■ 49.7843, 0.2165,
0.2915

■ 98.6077, 0.3262,
0.3512

■ 48.0591, 0.2134,
0.2868

Harmonies

Analogous

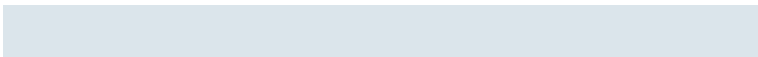
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1715, 0.3059, 0.3318



77.1715, 0.3027, 0.3268



77.1715, 0.3022, 0.3225

Triad

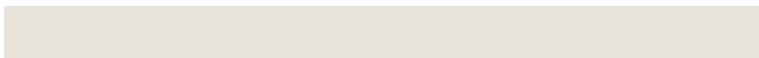
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1715, 0.3027, 0.3268



77.1715, 0.3145, 0.3222



77.1715, 0.3210, 0.3381

Complementary

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



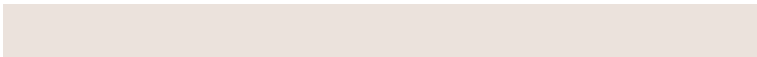
77.1715, 0.3027, 0.3268



72.8469, 0.3235, 0.3312

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.



77.1715, 0.3234, 0.3354



77.1715, 0.3027, 0.3268



77.1715, 0.3196, 0.3263

Square

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



77.1715, 0.3027, 0.3268



77.1715, 0.3090, 0.3199



77.1715, 0.3229, 0.3311



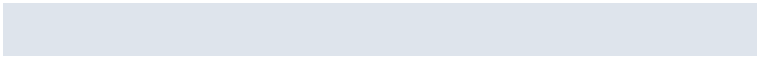
77.1715, 0.3164, 0.3384

Rectangle

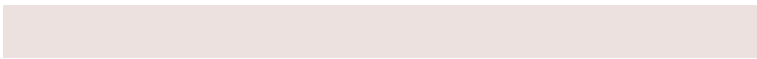
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1715, 0.3027, 0.3268



77.1715, 0.3034, 0.3206



77.1715, 0.3229, 0.3311



77.1715, 0.3221, 0.3375

Sweetspot

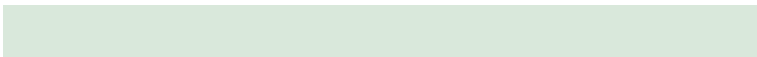
The Sweet Spot groups the original color and five complimentary colors.



77.1748, 0.3027, 0.3268



98.6079, 0.3096, 0.3283



77.5951, 0.3107, 0.3431



21.1208, 0.3097, 0.3284



0.0000, 0.0000, 0.0000



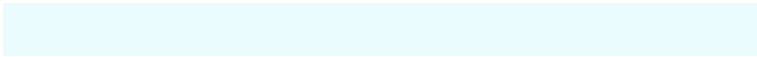
21.4041, 0.3127, 0.3290

Same Dimension

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



77.1748, 0.3027, 0.3268



94.5930, 0.3003, 0.3263



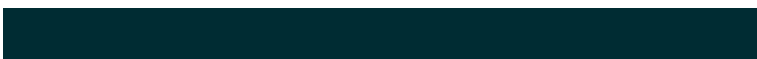
73.0942, 0.3028, 0.3187



15.9877, 0.2981, 0.3257



26.4945, 0.2128, 0.2859



2.0500, 0.2147, 0.2928

Inverse Universe

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



72.5003, 0.3148, 0.3153



87.4921, 0.3153, 0.3120



76.8449, 0.3228, 0.3391



14.5801, 0.3158, 0.3089



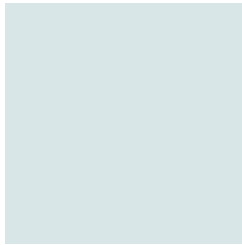
11.8724, 0.3580, 0.1746



0.8866, 0.3518, 0.1712

Previews

White Background



This preview shows how the Yxy color 77.1715, 0.3027, 0.3268 looks on a white background.

Color Contrast Check

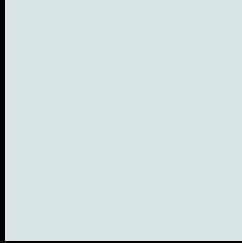
Large Text (above 18pt) WCAG AA × Fail

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 77.1715, 0.3027, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

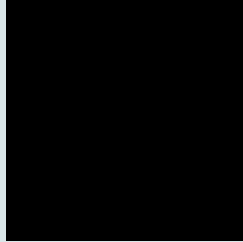
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

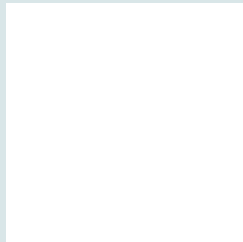
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1715, 0.3027, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 77.1715, 0.3027, 0.3268.

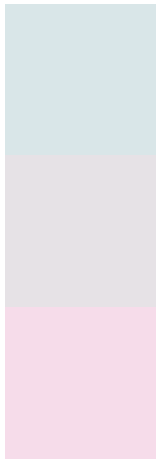


This preview shows how white text looks on a background with the Yxy color 77.1715, 0.3027, 0.3268.

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

77.1715, 0.3027, 0.3268

Protanopia

76.9289, 0.3129, 0.3248

Deuteranopia

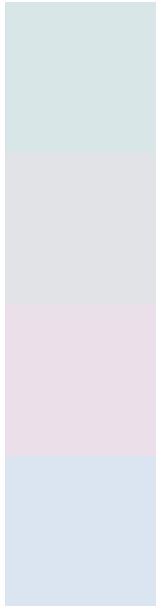
76.7197, 0.3219, 0.3148



Tritanopia

77.2007, 0.2955, 0.3100

Trichromacy



Original Color

77.1715, 0.3027, 0.3268

Protanomaly

76.7152, 0.3088, 0.3248

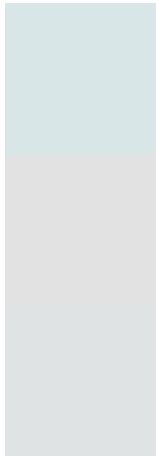
Deuteranomaly

76.8567, 0.3146, 0.3197

Tritanomaly

77.2949, 0.2979, 0.3163

Monochromacy



Original Color

77.1715, 0.3027, 0.3268

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.2276, 0.3093, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1715, 0.3027, 0.3268 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(217, 230, 232)` looks like.

```
.text, #text, p{  
    color:rgb(217, 230, 232)  
}
```

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(217, 230, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 230, 232) }
```

Border

The CSS property to change the border of an element to Yxy 77.1715, 0.3027, 0.3268 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(217, 230, 232) }
```

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

```
.border{ border-color:rgb(217, 230, 232) }
```

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

Here you see how a box with a 4 pixel rgb(217, 230, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 230, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 230, 232);  
box-shadow:4px 4px 4px 4px rgb(217, 230,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1715, 0.3027, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 230, 232) }
```

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

```
.background{ background-color: rgb(217,  
230, 232) }
```

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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