

Converting Colors

$Yxy(77.0377, 0.2962, 0.3152)$

Have a look what the booklet for
Yxy(77.0377, 0.2962, 0.3152)
contains.

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Color

Yxy(77.0484, 0.2960, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	D8E5F2
RGB	216, 229, 242
RGB Percent	85%, 90%, 95%
CMY	0.1531, 0.1019, 0.0511
CMYK	0.11, 0.05, 0.00, 0.05
HSL	210°, 50%, 90%
HSV	210°, 11%, 95%
XYZ	72.3551, 77.0484, 95.0394
YIQ	226.5950, -11.9210, 1.2870

Conversions

Conversions Part 2

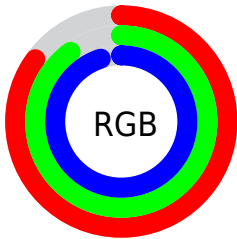
Format	Color
R _Y B	216, 225, 242
Decimal	14214642
CIE Lab	90.34, -1.84, -7.79
CIE LCh	90, 7.999, 256.721
Yxy	77.0484, 0.2960, 0.3152
Android (android.graphics.Color)	4292404722 (0xFFD8E5F2)
YUV	226.5950, 7.5947, -9.2918
Hunter-Lab	87.7772, -6.4719, -2.7513

Details

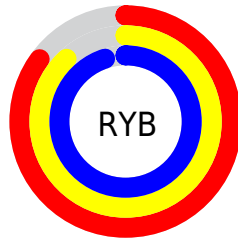
The Yxy color **77.0484, 0.2960, 0.3152** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.8271, 0.3303, 0.3424**, and the grayscale version is **76.4548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3943, 0.2921, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **67.1911, 0.2799, 0.3008**, and if you desaturate by 10%, it is **87.9182, 0.3116, 0.3281**.

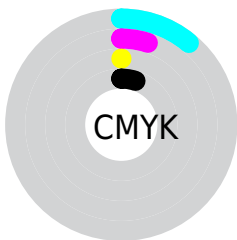
Distribution



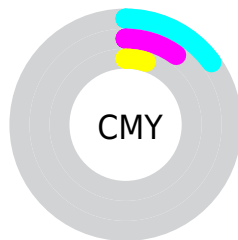
- Red (85%)
- Green (90%)
- Blue (95%)



- Red (85%)
- Yellow (88%)
- Blue (95%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0484, 0.2960, 0.3152 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 77.0484, 0.2960, 0.3152 by changing the saturation by 10% instead.

■ 77.0484, 0.2960,
0.3152

■ 77.0484, 0.2960,
0.3152

484.9290, 0.3036,
0.3215

■ 57.2926, 0.2943,
0.3138

129.2078, 0.2986,
0.3174

■ 41.2402, 0.2922,
0.3120

162.3802, 0.2997,
0.3182

■ 28.5068, 0.2895,
0.3098

200.7936, 0.3005,
0.3190

■ 18.7081, 0.2861,
0.3069

244.8323, 0.3013,
0.3196

■ 11.4595, 0.2814,
0.3029

294.8809, 0.3020,
0.3202

■ 6.3768, 0.2748,
0.2973

351.3235, 0.3026,

■ 3.0755, 0.2648,

0.3207

0.2886

414.5448, 0.3031,
0.3211

■ 1.1713, 0.2476,
0.2736

■ 0.0381, 0.0000,
0.0610

■ 77.0484, 0.2960,
0.3152

■ 77.0484, 0.2960,
0.3152

■ 67.1911, 0.2799,
0.3008

■ 87.9182, 0.3116,
0.3281

■ 58.3037, 0.2634,
0.2850

■ 98.0022, 0.3204,
0.3397

■ 50.3545, 0.2470,
0.2678

■ 99.1891, 0.3203,
0.3415

■ 43.3059, 0.2311,
0.2494

■ 37.1174, 0.2162,
0.2301

■ 31.7447, 0.2029,
0.2104

■ 27.1379, 0.1916,
0.1909

■ 23.2392, 0.1828,
0.1720

■ 20.1817, 0.1765,
0.1555

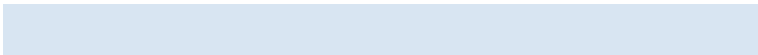
Harmonies

Analogous

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



77.0484, 0.2945, 0.3213



77.0484, 0.2960, 0.3152



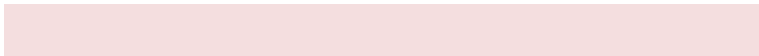
77.0484, 0.3019, 0.3129

Triad

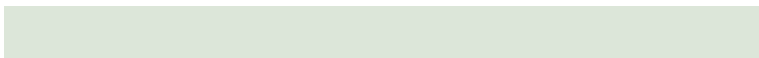
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0484, 0.2960, 0.3152



77.0484, 0.3278, 0.3282



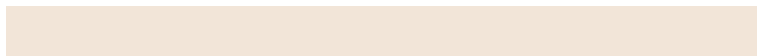
77.0484, 0.3145, 0.3438

Complementary

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



77.0484, 0.2960, 0.3152



79.8271, 0.3303, 0.3424

Split Complementary

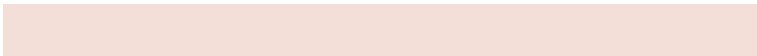
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0484, 0.3235, 0.3455



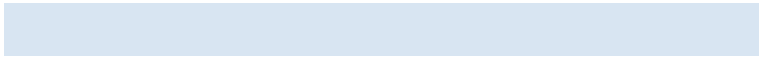
77.0484, 0.2960, 0.3152



77.0484, 0.3313, 0.3363

Square

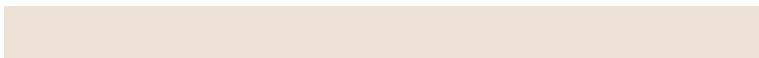
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0484, 0.2960, 0.3152



77.0484, 0.3203, 0.3203



77.0484, 0.3297, 0.3427



77.0484, 0.3051, 0.3379

Rectangle

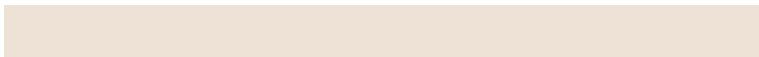
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0484, 0.2960, 0.3152



77.0484, 0.3076, 0.3137



77.0484, 0.3297, 0.3427



77.0484, 0.3176, 0.3449

Sweetspot

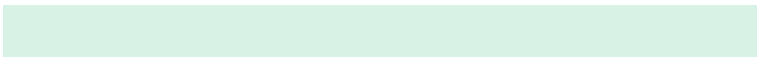
The Sweet Spot groups the original color and five complimentary colors.



77.0516, 0.2960, 0.3152



96.1698, 0.3081, 0.3253



83.7136, 0.3040, 0.3432



20.3690, 0.3069, 0.3243



0.0000, 0.0000, 0.0000



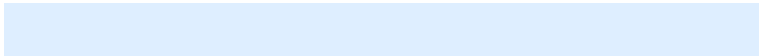
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0516, 0.2960, 0.3152



84.1560, 0.2923, 0.3120



70.3235, 0.2958, 0.3015



16.5393, 0.2980, 0.3169



11.1183, 0.1774, 0.1584



1.1240, 0.1839, 0.1822

Inverse Universe

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



73.6277, 0.3228, 0.3156



79.6243, 0.3252, 0.3126



87.0586, 0.3288, 0.3551



15.8912, 0.3215, 0.3172



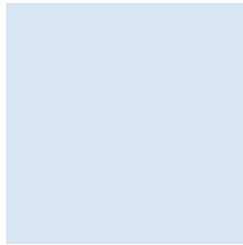
10.9157, 0.4951, 0.2501



0.9282, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 77.0484, 0.2960, 0.3152 looks on a white background.

Color Contrast Check

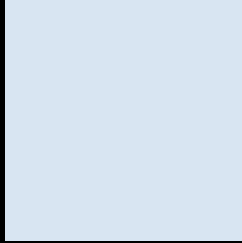
Large Text (above 18pt) WCAG AA × Fail

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 77.0484, 0.2960, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

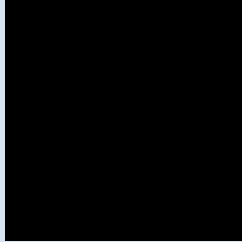
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

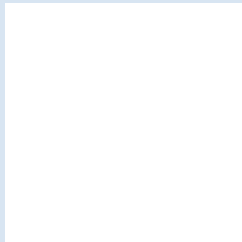
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0484, 0.2960, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 77.0484, 0.2960, 0.3152.

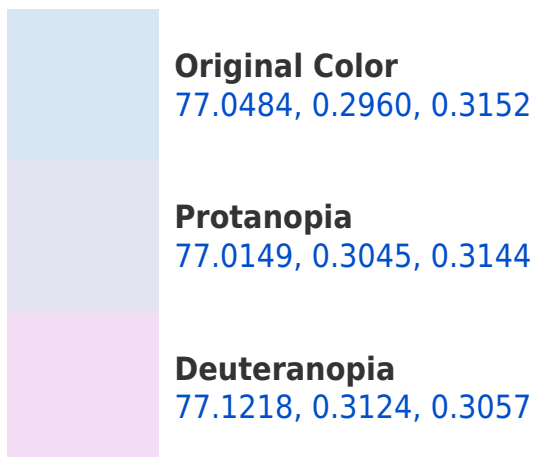


This preview shows how white text looks on a background with the Yxy color 77.0484, 0.2960, 0.3152.

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

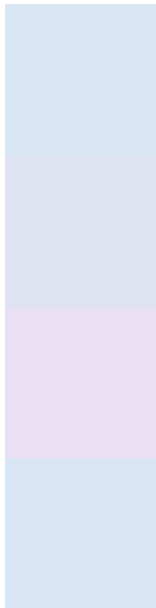




Tritanopia

76.8923, 0.2942, 0.3100

Trichromacy



Original Color

77.0484, 0.2960, 0.3152

Protanomaly

76.9770, 0.3012, 0.3143

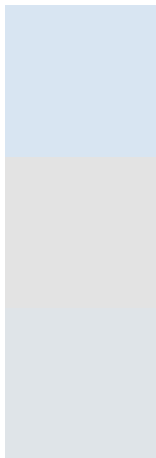
Deuteranomaly

77.1060, 0.3067, 0.3094

Tritanomaly

76.8311, 0.2948, 0.3110

Monochromacy



Original Color

77.0484, 0.2960, 0.3152

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.0010, 0.3068, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0484, 0.2960, 0.3152 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(216, 229, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 242)  
}
```

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(216, 229, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 242) }
```

Border

The CSS property to change the border of an element to Yxy 77.0484, 0.2960, 0.3152 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(216, 229, 242) }
```

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

```
.border{ border-color:rgb(216, 229, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0484, 0.2960, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 242) }
```

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

```
.background{ background-color: rgb(216,  
229, 242) }
```

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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