

Converting Colors

$Yxy(77.6006, 0.2950, 0.3147)$

Have a look what the booklet for
Yxy(77.6006, 0.2950, 0.3147)
contains.

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Color

Yxy(77.6636, 0.2954, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	D8E6F3
RGB	216, 230, 243
RGB Percent	85%, 90%, 95%
CMY	0.1531, 0.0980, 0.0471
CMYK	0.11, 0.05, 0.00, 0.05
HSL	209°, 53%, 90%
HSV	209°, 11%, 95%
XYZ	72.7850, 77.6636, 95.9461
YIQ	227.2960, -12.5170, 1.0750

Conversions

Conversions Part 2

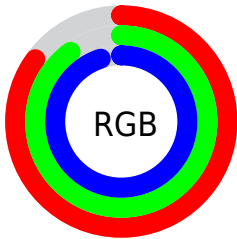
Format	Color
R _{YB}	216, 225, 243
Decimal	14214899
CIE Lab	90.63, -2.15, -7.90
CIE LCh	91, 8.192, 254.772
Yxy	77.6636, 0.2954, 0.3152
Android (android.graphics.Color)	4292404979 (0xFFD8E6F3)
YUV	227.2960, 7.7421, -9.9066
Hunter-Lab	88.1270, -6.7971, -2.8617

Details

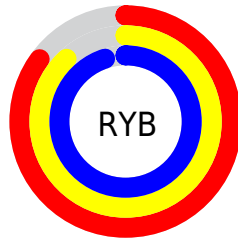
The Yxy color `77.6636, 0.2954, 0.3152` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.0208, 0.3310, 0.3424`, and the grayscale version is `76.9901, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.8249, 0.2913, 0.3125` is the 20% darker color. If you saturate the color by 10%, you get `67.9557, 0.2793, 0.3013`, and if you desaturate by 10%, it is `88.3602, 0.3110, 0.3277`.

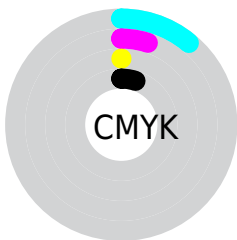
Distribution



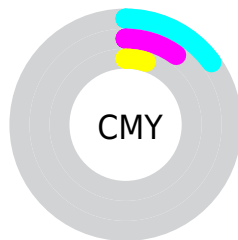
- Red (85%)
- Green (90%)
- Blue (95%)



- 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 77.6636, 0.2954, 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 77.6636, 0.2954, 0.3152 by changing the saturation by 10% instead.

■ 77.6636, 0.2954,
0.3152

■ 77.6636, 0.2954,
0.3152

487.0236, 0.3033,
0.3215

■ 57.7977, 0.2936,
0.3138

130.0758, 0.2981,
0.3174

■ 41.6460, 0.2914,
0.3120

163.3909, 0.2992,
0.3182

■ 28.8242, 0.2887,
0.3098

201.9578, 0.3001,
0.3190

■ 18.9479, 0.2852,
0.3069

246.1609, 0.3009,
0.3196

■ 11.6326, 0.2804,
0.3030

296.3846, 0.3016,
0.3202

■ 6.4940, 0.2737,
0.2974

353.0134, 0.3022,

■ 3.1478, 0.2634,

0.3207

0.2888

416.4316, 0.3028,
0.3211

■ 1.2094, 0.2459,
0.2738

■ 0.0693, 0.0188,
0.0975

■ 77.6636, 0.2954,
0.3152

■ 77.6636, 0.2954,
0.3152

■ 67.9557, 0.2793,
0.3013

■ 88.3602, 0.3110,
0.3277

■ 59.1944, 0.2630,
0.2860

■ 98.2068, 0.3198,
0.3390

■ 51.3484, 0.2468,
0.2694

■ 99.2510, 0.3197,
0.3405

■ 44.3810, 0.2311,
0.2517

■ 38.2522, 0.2165,
0.2331

■ 32.9182, 0.2035,
0.2142

■ 28.3296, 0.1926,
0.1953

■ 24.4290, 0.1840,
0.1770

■ 21.4678, 0.1782,
0.1616

Harmonies

Analogous

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



77.6636, 0.2942, 0.3216



77.6636, 0.2954, 0.3152



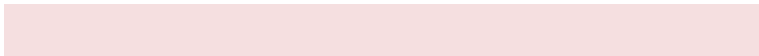
77.6636, 0.3012, 0.3126

Triad

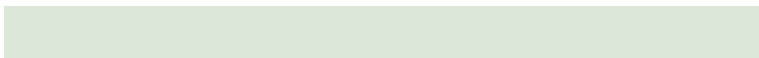
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6636, 0.2954, 0.3152



77.6636, 0.3277, 0.3276



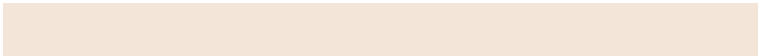
77.6636, 0.3151, 0.3444

Complementary

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



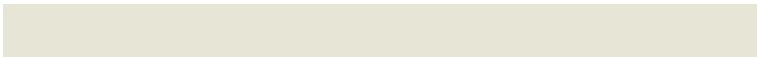
77.6636, 0.2954, 0.3152



80.0208, 0.3310, 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.



77.6636, 0.3242, 0.3458



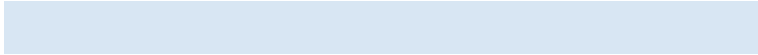
77.6636, 0.2954, 0.3152



77.6636, 0.3316, 0.3360

Square

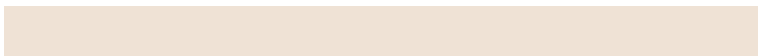
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6636, 0.2954, 0.3152



77.6636, 0.3198, 0.3197



77.6636, 0.3303, 0.3427



77.6636, 0.3055, 0.3386

Rectangle

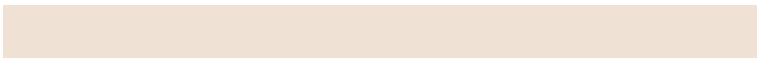
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6636, 0.2954, 0.3152



77.6636, 0.3069, 0.3132



77.6636, 0.3303, 0.3427



77.6636, 0.3184, 0.3454

Sweetspot

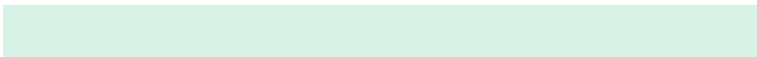
The Sweet Spot groups the original color and five complimentary colors.



77.6669, 0.2954, 0.3152



96.2560, 0.3081, 0.3254



84.3278, 0.3039, 0.3443



20.3923, 0.3069, 0.3245



0.0000, 0.0000, 0.0000



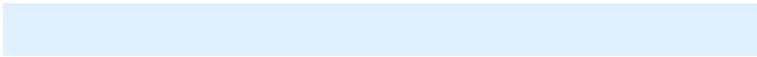
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6669, 0.2954, 0.3152



84.5052, 0.2924, 0.3127



70.6216, 0.2952, 0.3010



17.3517, 0.2980, 0.3173



12.0544, 0.1790, 0.1643



1.2653, 0.1851, 0.1863

Inverse Universe

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



73.8625, 0.3228, 0.3146



79.6596, 0.3248, 0.3120



87.5728, 0.3294, 0.3556



16.6264, 0.3212, 0.3168



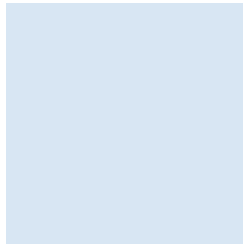
11.3163, 0.4877, 0.2460



1.0154, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 77.6636, 0.2954, 0.3152 looks on a white background.

Color Contrast Check

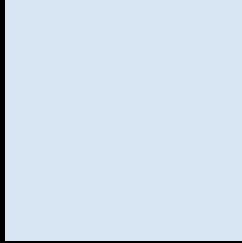
Large Text (above 18pt) WCAG AA × Fail

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 77.6636, 0.2954, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

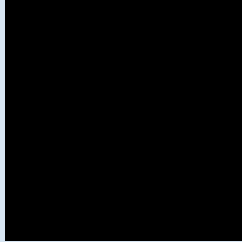
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

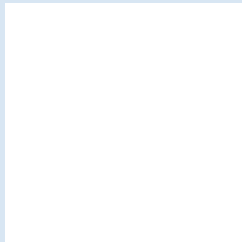
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6636, 0.2954, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 77.6636, 0.2954, 0.3152.



This preview shows how white text looks on a background with the Yxy color 77.6636, 0.2954, 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



Original Color

77.6636, 0.2954, 0.3152

Protanopia

77.7830, 0.3045, 0.3144

Deuteranopia

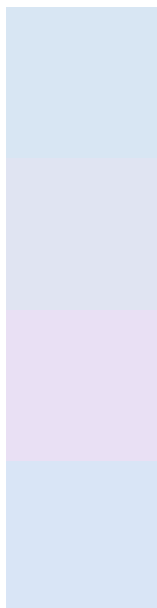
77.1827, 0.3118, 0.3048



Tritanopia

77.5057, 0.2937, 0.3100

Trichromacy



Original Color

77.6636, 0.2954, 0.3152

Protanomaly

77.7449, 0.3012, 0.3143

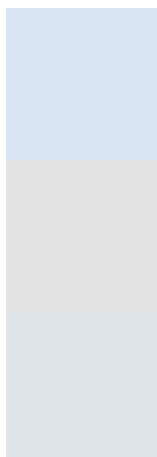
Deuteranomaly

77.1666, 0.3061, 0.3084

Tritanomaly

77.4442, 0.2943, 0.3110

Monochromacy



Original Color

77.6636, 0.2954, 0.3152

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.0580, 0.3061, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6636, 0.2954, 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, 230, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 230, 243)  
}
```

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, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 230, 243) }
```

Border

The CSS property to change the border of an element to Yxy 77.6636, 0.2954, 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, 230, 243) }
```

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

```
.border{ border-color:rgb(216, 230, 243) }
```

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

Here you see how a box with a 4 pixel rgb(216, 230, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 230,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6636, 0.2954, 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, 230, 243) }
```

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

```
.background{ background-color: rgb(216,  
230, 243) }
```

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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