

Converting Colors

Yxy(78.8824, 0.2953, 0.3174)

Have a look what the booklet for
Yxy(78.8824, 0.2953, 0.3174)
contains.

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Color

Yxy(78.7832, 0.2955, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	D8E8F3
RGB	216, 232, 243
RGB Percent	85%, 91%, 95%
CMY	0.1526, 0.0903, 0.0470
CMYK	0.11, 0.05, 0.00, 0.05
HSL	205°, 53%, 90%
HSV	205°, 11%, 95%
XYZ	73.3704, 78.7832, 96.1388
YIQ	228.4700, -13.0670, 0.0290

Conversions

Conversions Part 2

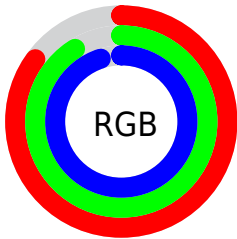
Format	Color
R _Y B	216, 226, 243
Decimal	14215411
CIE Lab	91.14, -3.13, -7.15
CIE LCh	91, 7.807, 246.392
Yxy	78.7832, 0.2955, 0.3173
Android (android.graphics.Color)	4292405491 (0xFFD8E8F3)
YUV	228.4700, 7.1633, -10.9362
Hunter-Lab	88.7599, -7.7787, -2.0871

Details

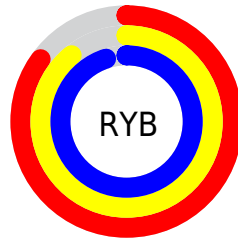
The Yxy color **78.7832, 0.2955, 0.3173** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.0115, 0.3312, 0.3404**, and the grayscale version is **77.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2156, 0.2914, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **69.9109, 0.2797, 0.3055**, and if you desaturate by 10%, it is **88.5265, 0.3111, 0.3279**.

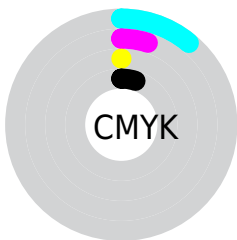
Distribution



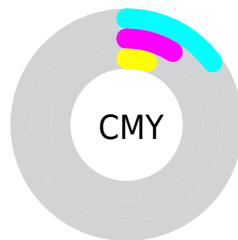
- Red (85%)
- Green (91%)
- Blue (95%)



- Red (85%)
- Yellow (89%)
- Blue (95%)



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



- Cyan (15%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7832, 0.2955, 0.3173 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 78.7832, 0.2955, 0.3173 by changing the saturation by 10% instead.

■ 78.7832, 0.2955,
0.3173

■ 78.7832, 0.2955,
0.3173

490.8226, 0.3033,
0.3227

■ 58.7176, 0.2937,
0.3161

131.6536, 0.2982,
0.3192

■ 42.3858, 0.2916,
0.3146

165.2272, 0.2992,
0.3199

■ 29.4035, 0.2889,
0.3127

204.0722, 0.3002,
0.3205

■ 19.3863, 0.2854,
0.3102

248.5730, 0.3009,
0.3211

■ 11.9497, 0.2807,
0.3069

299.1141, 0.3016,
0.3215

■ 6.7095, 0.2741,
0.3021

356.0798, 0.3023,

■ 3.2811, 0.2641,

0.3220

0.2948

419.8545, 0.3028,
0.3223

■ 1.2802, 0.2472,
0.2821

■ 0.1258, 0.0536,
0.1560

■ 78.7832, 0.2955,
0.3173

■ 78.7832, 0.2955,
0.3173

■ 69.9109, 0.2797,
0.3055

■ 88.5265, 0.3111,
0.3279

■ 61.8705, 0.2638,
0.2926

■ 97.2763, 0.3199,
0.3375

■ 54.6345, 0.2483,
0.2786

■ 99.2516, 0.3197,
0.3405

■ 48.1693, 0.2335,
0.2637

■ 42.4388, 0.2200,
0.2481

■ 37.4030, 0.2080,
0.2320

■ 33.0167, 0.1981,
0.2160

■ 29.2265, 0.1904,
0.2002

■ 26.2772, 0.1852,
0.1866

Harmonies

Analogous

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



78.7832, 0.2957, 0.3241



78.7832, 0.2955, 0.3173



78.7832, 0.2999, 0.3137

Triad

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



78.7832, 0.2955, 0.3173



78.7832, 0.3252, 0.3254



78.7832, 0.3176, 0.3444

Complementary

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



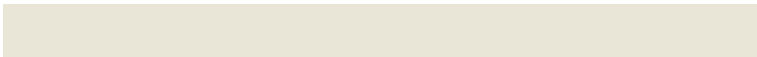
78.7832, 0.2955, 0.3173



79.0115, 0.3312, 0.3404

Split Complementary

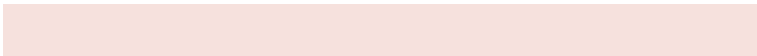
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7832, 0.3256, 0.3445



78.7832, 0.2955, 0.3173



78.7832, 0.3301, 0.3335

Square

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



78.7832, 0.2955, 0.3173



78.7832, 0.3169, 0.3184



78.7832, 0.3302, 0.3405



78.7832, 0.3083, 0.3400

Rectangle

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



78.7832, 0.2955, 0.3173



78.7832, 0.3048, 0.3135



78.7832, 0.3302, 0.3405



78.7832, 0.3205, 0.3449

Sweetspot

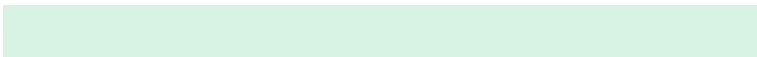
The Sweet Spot groups the original color and five complimentary colors.



78.7865, 0.2955, 0.3173



96.5961, 0.3081, 0.3260



84.2545, 0.3050, 0.3461



20.4841, 0.3069, 0.3251



0.0000, 0.0000, 0.0000



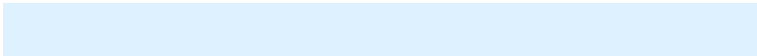
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7865, 0.2955, 0.3173



85.8915, 0.2924, 0.3151



71.6255, 0.2953, 0.3030



17.5539, 0.2980, 0.3191



14.6927, 0.1858, 0.1890



1.4932, 0.1912, 0.2083

Inverse Universe

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



74.0327, 0.3215, 0.3127



79.7995, 0.3232, 0.3097



86.5238, 0.3296, 0.3537



16.6468, 0.3201, 0.3151



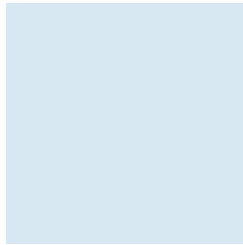
11.5826, 0.4580, 0.2296



1.0384, 0.4360, 0.2176

Previews

White Background



This preview shows how the Yxy color 78.7832, 0.2955, 0.3173 looks on a white background.

Color Contrast Check

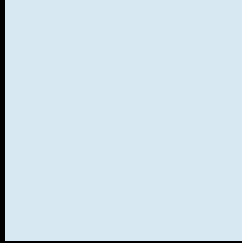
Large Text (above 18pt) WCAG AA × Fail

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 78.7832, 0.2955, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

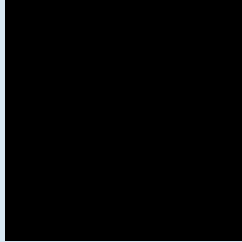
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

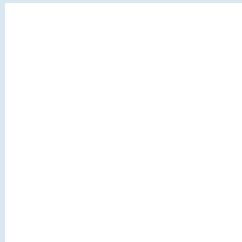
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7832, 0.2955, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 78.7832, 0.2955, 0.3173.

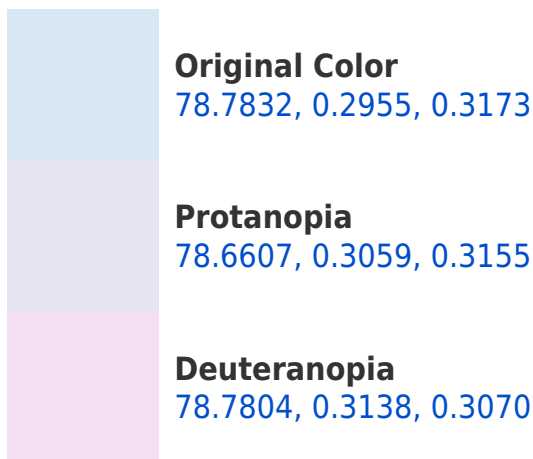


This preview shows how white text looks on a background with the Yxy color 78.7832, 0.2955, 0.3173.

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

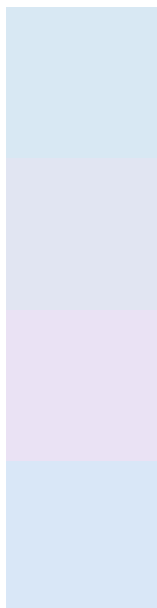




Tritanopia

78.7431, 0.2926, 0.3101

Trichromacy



Original Color

78.7832, 0.2955, 0.3173

Protanomaly

78.4570, 0.3019, 0.3154

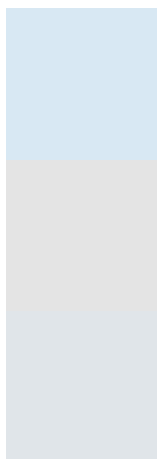
Deuteranomaly

78.4168, 0.3067, 0.3105

Tritanomaly

78.6189, 0.2937, 0.3121

Monochromacy



Original Color

78.7832, 0.2955, 0.3173

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7691, 0.3068, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7832, 0.2955, 0.3173 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, 232, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 232, 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, 232, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 232, 243) }
```

Border

The CSS property to change the border of an element to Yxy 78.7832, 0.2955, 0.3173 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, 232, 243) }
```

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

```
.border{ border-color:rgb(216, 232, 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, 232, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 232, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 232, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 232,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7832, 0.2955, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 232, 243) }
```

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

```
.background{ background-color: rgb(216,  
232, 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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