

Converting Colors

Yxy(87.6091, 0.3022, 0.3323)

Have a look what the booklet for
Yxy(87.6091, 0.3022, 0.3323)
contains.

Yxy(87.7232, 0.3018, 0.3320)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7232, 0.3018, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	E1F5F2
RGB	225, 245, 242
RGB Percent	88%, 96%, 95%
CMY	0.1175, 0.0392, 0.0508
CMYK	0.08, 0.00, 0.01, 0.04
HSL	171°, 50%, 92%
HSV	171°, 8%, 96%
XYZ	79.7436, 87.7232, 96.7597
YIQ	238.6780, -10.9570, -5.1730

Conversions

Conversions Part 2

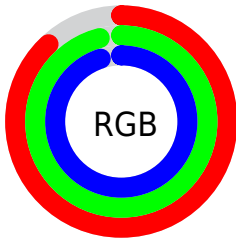
Format	Color
R _Y B	225, 236, 245
Decimal	14808562
CIE Lab	95.04, -7.06, -0.83
CIE LCh	95, 7.107, 186.688
Yxy	87.7232, 0.3018, 0.3320
Android (android.graphics.Color)	4292998642 (0xFFE1F5F2)
YUV	238.6780, 1.6377, -11.9956
Hunter-Lab	93.6607, -11.9296, 4.3107

Details

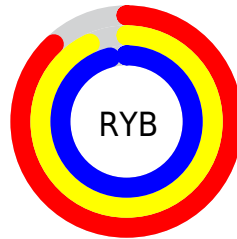
The Yxy color **87.7232, 0.3018, 0.3320** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8844, 0.3248, 0.3260**, and the grayscale version is **86.0549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4864, 0.2996, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **83.8508, 0.2890, 0.3360**, and if you desaturate by 10%, it is **92.1723, 0.3152, 0.3284**.

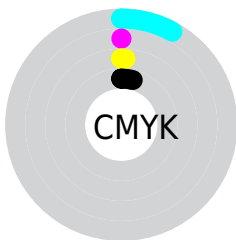
Distribution



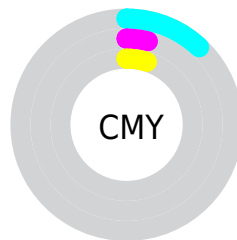
- Red (88%)
- Green (96%)
- Blue (95%)



- Red (88%)
- Yellow (93%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (12%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7232, 0.3018, 0.3320 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 87.7232, 0.3018, 0.3320 by changing the saturation by 10% instead.


 87.7232, 0.3018,
0.3320

 87.7232, 0.3018,
0.3320


520.5963, 0.3067,
0.3307

 66.0939, 0.3007,
0.3323

144.1717, 0.3035,
0.3316

 48.3486, 0.2994,
0.3326


179.7597, 0.3041,
0.3314

 34.1030, 0.2978,
0.3331


220.7693, 0.3047,
0.3312

 22.9728, 0.2957,
0.3336

267.5850, 0.3052,
0.3311

 14.5734, 0.2929,
0.3344

320.5912, 0.3056,
0.3310

 8.5205, 0.2891,
0.3354

380.1722, 0.3060,

 4.4298, 0.2834,

0.3309

446.7125, 0.3064,
0.3308

0.3369

■ 1.9168, 0.2740,
0.3392

■ 0.5584, 0.2265,
0.3528

■ 87.7232, 0.3018,
0.3320

■ 87.7232, 0.3018,
0.3320

■ 83.8508, 0.2890,
0.3360

■ 92.1723, 0.3152,
0.3284

■ 80.5200, 0.2770,
0.3404

■ 93.4182, 0.3166,
0.3249

■ 77.7088, 0.2662,
0.3450

■ 93.6473, 0.3144,
0.3214

■ 75.3896, 0.2569,
0.3500

■ 93.7800, 0.3132,
0.3194

■ 73.5319, 0.2493,
0.3551

■ 72.1020, 0.2436,
0.3604

■ 71.0615, 0.2399,
0.3657

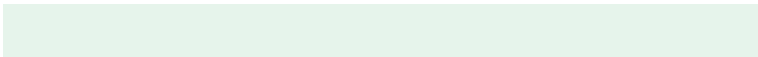
■ 70.3652, 0.2381,
0.3710

■ 69.9503, 0.2380,
0.3762

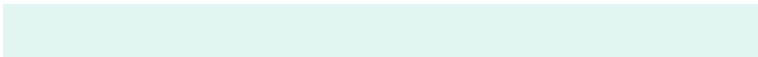
Harmonies

Analogous

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



87.7232, 0.3088, 0.3386



87.7232, 0.3018, 0.3320



87.7232, 0.2977, 0.3247

Triad

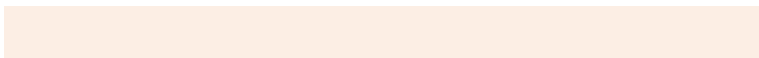
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7232, 0.3018, 0.3320



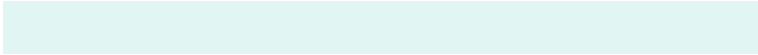
87.7232, 0.3084, 0.3160



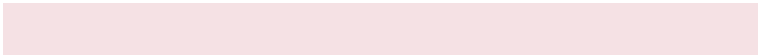
87.7232, 0.3281, 0.3391

Complementary

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



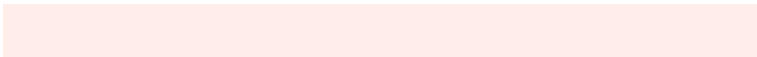
87.7232, 0.3018, 0.3320



78.8844, 0.3248, 0.3260

Split Complementary

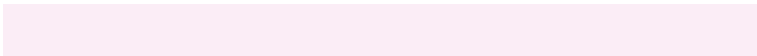
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7232, 0.3280, 0.3330



87.7232, 0.3018, 0.3320



87.7232, 0.3165, 0.3198

Square

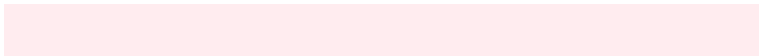
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7232, 0.3018, 0.3320



87.7232, 0.3015, 0.3155



87.7232, 0.3237, 0.3260



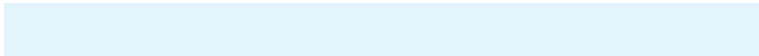
87.7232, 0.3240, 0.3427

Rectangle

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



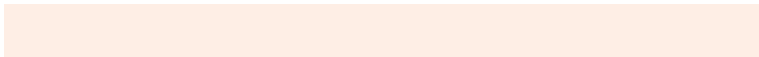
87.7232, 0.3018, 0.3320



87.7232, 0.2972, 0.3204



87.7232, 0.3237, 0.3260



87.7232, 0.3285, 0.3373

Sweetspot

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



87.7269, 0.3018, 0.3320



98.9969, 0.3100, 0.3297



87.2378, 0.3137, 0.3497



21.1999, 0.3101, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

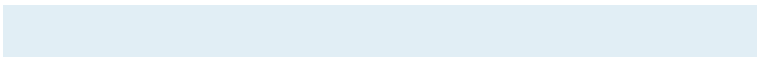
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7269, 0.3018, 0.3320



95.2393, 0.2993, 0.3327



83.7603, 0.3001, 0.3218



18.7131, 0.3000, 0.3325



37.6689, 0.2379, 0.3763



3.3220, 0.2360, 0.3697

Inverse Universe

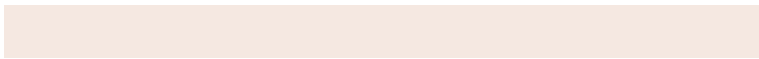
The Inverse Universe completely reimagines the original color for something new.



78.8844, 0.3248, 0.3260



83.4749, 0.3279, 0.3253



82.5758, 0.3261, 0.3361



16.5225, 0.3270, 0.3255



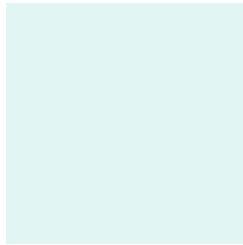
10.5398, 0.6198, 0.3188



0.9382, 0.5899, 0.3023

Previews

White Background



This preview shows how the Yxy color 87.7232, 0.3018, 0.3320 looks on a white background.

Color Contrast Check

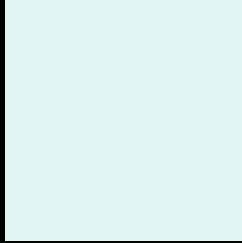
Large Text (above 18pt) WCAG AA × Fail

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 87.7232, 0.3018, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

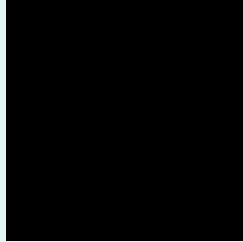
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

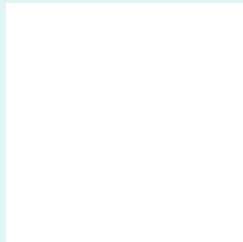
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7232, 0.3018, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 87.7232, 0.3018, 0.3320.

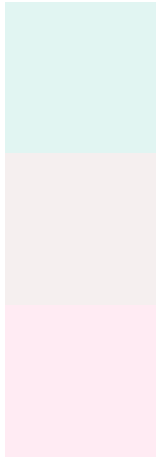


This preview shows how white text looks on a background with the Yxy color 87.7232, 0.3018, 0.3320.

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

87.7232, 0.3018, 0.3320

Protanopia

87.3775, 0.3167, 0.3290

Deuteranopia

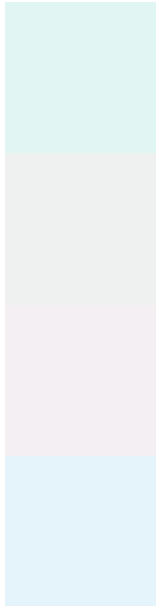
87.1477, 0.3211, 0.3212



Tritanopia

87.8801, 0.2987, 0.3159

Trichromacy



Original Color

87.7232, 0.3018, 0.3320

Protanomaly

87.3790, 0.3114, 0.3300

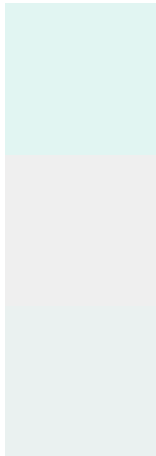
Deuteranomaly

87.4372, 0.3136, 0.3250

Tritanomaly

87.6613, 0.2997, 0.3219

Monochromacy



Original Color

87.7232, 0.3018, 0.3320

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.6943, 0.3088, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7232, 0.3018, 0.3320 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(225, 245, 242)` looks like.

```
.text, #text, p{  
    color:rgb(225, 245, 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(225, 245, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 245, 242) }
```

Border

The CSS property to change the border of an element to Yxy 87.7232, 0.3018, 0.3320 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(225, 245, 242) }
```

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

```
.border{ border-color:rgb(225, 245, 242) }
```

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

Here you see how a box with a 4 pixel rgb(225, 245, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(225, 245,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7232, 0.3018, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 245, 242) }
```

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

```
.background{ background-color: rgb(225,  
245, 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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