

Converting Colors

$Yxy(90.1774, 0.3085, 0.3356)$

Have a look what the booklet for
Yxy(90.1774, 0.3085, 0.3356)
contains.

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Color

Yxy(90.3052, 0.3086, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	EAF7F0
RGB	234, 247, 240
RGB Percent	92%, 97%, 94%
CMY	0.0823, 0.0313, 0.0590
CMYK	0.05, 0.00, 0.03, 0.03
HSL	147°, 45%, 94%
HSV	147°, 5%, 97%
XYZ	82.9163, 90.3052, 95.4640
YIQ	242.3150, -5.5010, -4.9330

Conversions

Conversions Part 2

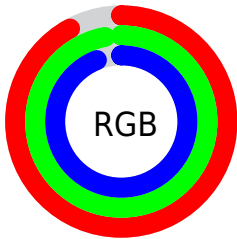
Format	Color
R_{YB}	234, 243, 247
Decimal	15398896
CIE _{Lab}	96.12, -5.54, 1.89
CIE _{LCh}	96, 5.851, 161.106
Yxy	90.3052, 0.3086, 0.3361
Android (android.graphics.Color)	4293588976 (0xFFEAF7F0)
YUV	242.3150, -1.1413, -7.2923
Hunter-Lab	95.0290, -10.5530, 6.9590

Details

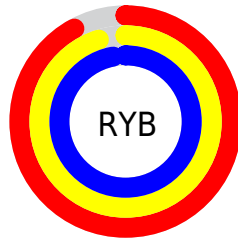
The Yxy color **90.3052, 0.3086, 0.3361** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.9790, 0.3170, 0.3220**, and the grayscale version is **89.0691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1873, 0.3074, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **85.6486, 0.3009, 0.3509**, and if you desaturate by 10%, it is **94.9012, 0.3141, 0.3229**.

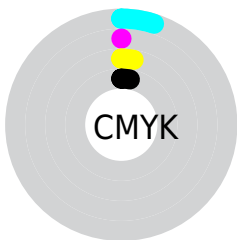
Distribution



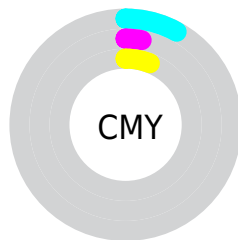
- Red (92%)
- Green (97%)
- Blue (94%)



- Red (92%)
- Yellow (95%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)





- Cyan (8%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3052, 0.3086, 0.3361 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 90.3052, 0.3086, 0.3361 by changing the saturation by 10% instead.

 90.3052, 0.3086,
0.3361

 90.3052, 0.3086,
0.3361


529.0232, 0.3104,
0.3329

 68.2338, 0.3082,
0.3368


147.7623, 0.3092,
0.3350

 50.0880, 0.3077,
0.3377


183.9167, 0.3095,
0.3346

 35.4833, 0.3071,
0.3387


225.5343, 0.3097,
0.3342

 24.0354, 0.3063,
0.3401

272.9994, 0.3099,
0.3339

 15.3599, 0.3052,
0.3419

326.6965, 0.3100,
0.3336

 9.0724, 0.3038,
0.3444

387.0099, 0.3102,

 4.7884, 0.3016,

0.3334

0.3482

454.3239, 0.3103,
0.3331

■ 2.1237, 0.2980,
0.3544

■ 0.6779, 0.2840,
0.3781

■ 90.3052, 0.3086,
0.3361

■ 90.3052, 0.3086,
0.3361

■ 85.6486, 0.3009,
0.3509

■ 94.9012, 0.3141,
0.3229

■ 81.6046, 0.2935,
0.3673

■ 95.0069, 0.3131,
0.3214

■ 78.1500, 0.2867,
0.3853

■ 75.2558, 0.2808,
0.4048

■ 72.8906, 0.2761,
0.4255

■ 71.0195, 0.2731,
0.4469

■ 69.6034, 0.2719,
0.4685

■ 68.5970, 0.2727,
0.4894

■ 67.9445, 0.2755,
0.5091

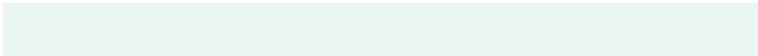
Harmonies

Analogous

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



90.3052, 0.3152, 0.3397



90.3052, 0.3086, 0.3361



90.3052, 0.3031, 0.3306

Triad

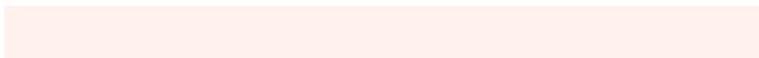
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3052, 0.3086, 0.3361



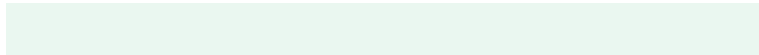
90.3052, 0.3042, 0.3179



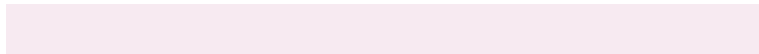
90.3052, 0.3254, 0.3331

Complementary

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



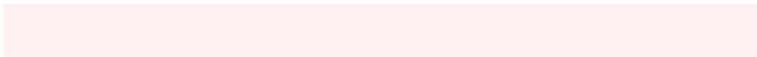
90.3052, 0.3086, 0.3361



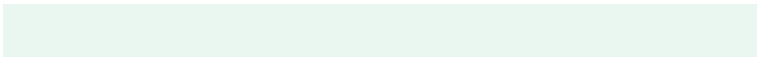
84.9790, 0.3170, 0.3220

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.



90.3052, 0.3224, 0.3274



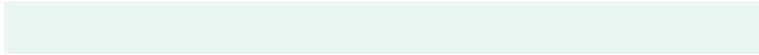
90.3052, 0.3086, 0.3361



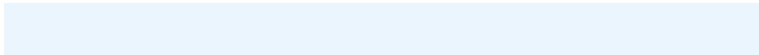
90.3052, 0.3101, 0.3186

Square

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



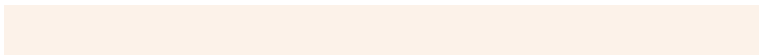
90.3052, 0.3086, 0.3361



90.3052, 0.3006, 0.3201



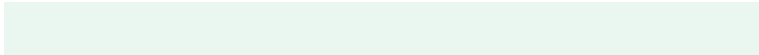
90.3052, 0.3168, 0.3221



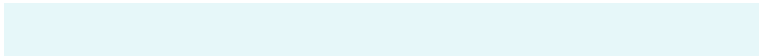
90.3052, 0.3249, 0.3379

Rectangle

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



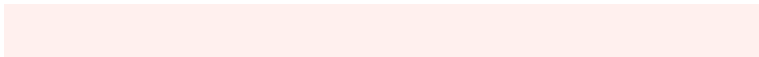
90.3052, 0.3086, 0.3361



90.3052, 0.3009, 0.3266



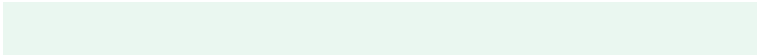
90.3052, 0.3168, 0.3221



90.3052, 0.3247, 0.3312

Sweetspot

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



90.3091, 0.3086, 0.3361



98.8687, 0.3111, 0.3317



91.1962, 0.3167, 0.3420



21.1738, 0.3112, 0.3315



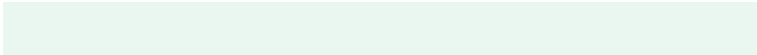
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

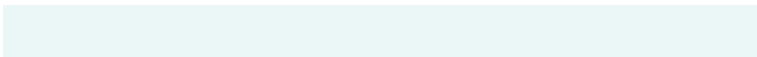
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3091, 0.3086, 0.3361



96.6899, 0.3080, 0.3371



90.6962, 0.3049, 0.3296



18.8858, 0.3075, 0.3380



35.8401, 0.2763, 0.5148



3.1705, 0.2697, 0.4908

Inverse Universe

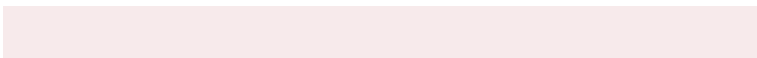
The Inverse Universe completely reimagines the original color for something new.



84.9790, 0.3170, 0.3220



90.1808, 0.3177, 0.3210



84.6030, 0.3211, 0.3284



17.4830, 0.3182, 0.3201



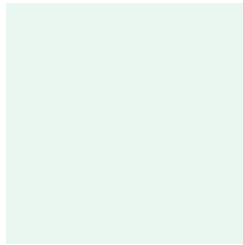
11.3965, 0.4781, 0.2408



1.0224, 0.4530, 0.2269

Previews

White Background



This preview shows how the Yxy color 90.3052, 0.3086, 0.3361 looks on a white background.

Color Contrast Check

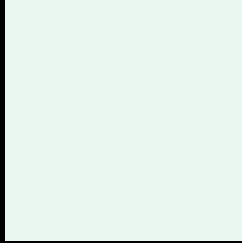
Large Text (above 18pt) WCAG AA × Fail

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 90.3052, 0.3086, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

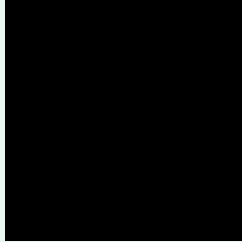
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

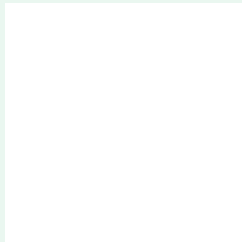
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3052, 0.3086, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 90.3052, 0.3086, 0.3361.

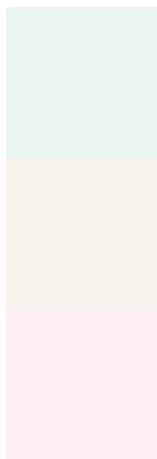


This preview shows how white text looks on a background with the Yxy color 90.3052, 0.3086, 0.3361.

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

90.3052, 0.3086, 0.3361

Protanopia

90.3553, 0.3203, 0.3349

Deuteranopia

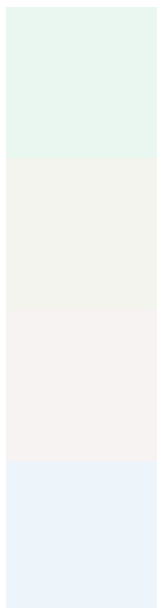
90.0512, 0.3208, 0.3261



Tritanopia

90.4466, 0.3037, 0.3181

Trichromacy



Original Color

90.3052, 0.3086, 0.3361

Protanomaly

90.1075, 0.3163, 0.3350

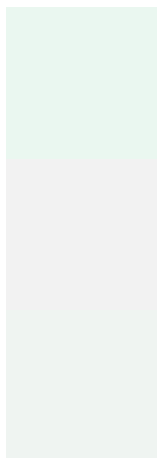
Deuteranomaly

90.2861, 0.3159, 0.3300

Tritanomaly

90.3841, 0.3053, 0.3240

Monochromacy



Original Color

90.3052, 0.3086, 0.3361

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.4030, 0.3113, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3052, 0.3086, 0.3361 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(234, 247, 240)` looks like.

```
.text, #text, p{  
    color:rgb(234, 247, 240)  
}
```

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(234, 247, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 247, 240) }
```

Border

The CSS property to change the border of an element to Yxy 90.3052, 0.3086, 0.3361 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(234, 247, 240) }
```

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

```
.border{ border-color:rgb(234, 247, 240) }
```

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

Here you see how a box with a 4 pixel rgb(234, 247, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 247, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 247, 240);  
box-shadow:4px 4px 4px 4px rgb(234, 247,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3052, 0.3086, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 247, 240) }
```

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

```
.background{ background-color: rgb(234,  
247, 240) }
```

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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