

Converting Colors

Yxy(86.1728, 0.2961, 0.3168)

Have a look what the booklet for
Yxy(86.1728, 0.2961, 0.3168)
contains.

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Color

Yxy(86.1712, 0.2961, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	E2F1FD
RGB	226, 241, 253
RGB Percent	89%, 95%, 99%
CMY	0.1138, 0.0548, 0.0079
CMYK	0.11, 0.05, 0.00, 0.01
HSL	207°, 87%, 94%
HSV	207°, 11%, 99%
XYZ	80.5407, 86.1712, 105.2932
YIQ	237.8830, -12.7920, 0.5520

Conversions

Conversions Part 2

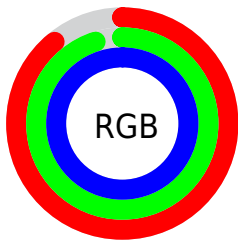
Format	Color
R_{YB}	226, 236, 253
Decimal	14873085
CIE _{Lab}	94.39, -2.65, -7.46
CIE _{LCh}	94, 7.915, 250.417
Yxy	86.1712, 0.2961, 0.3168
Android (android.graphics.Color)	4293063165 (0xFFE2F1FD)
YUV	237.8830, 7.4527, -10.4214
Hunter-Lab	92.8284, -7.5779, -2.2714

Details

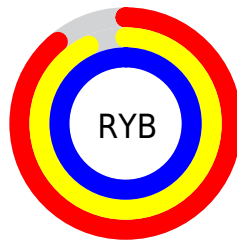
The Yxy color **86.1712, 0.2961, 0.3168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4830, 0.3304, 0.3409**, and the grayscale version is **85.3527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3414, 0.2931, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **75.9490, 0.2801, 0.3040**, and if you desaturate by 10%, it is **97.4123, 0.3117, 0.3283**.

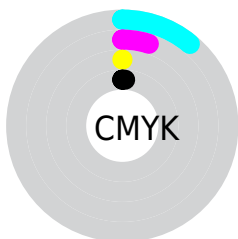
Distribution



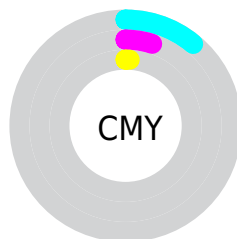
- Red (89%)
- Green (95%)
- Blue (99%)



- Red (89%)
- Yellow (93%)
- Blue (99%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1712, 0.2961, 0.3168 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 86.1712, 0.2961, 0.3168 by changing the saturation by 10% instead.

86.1712, 0.2961,
0.3168

86.1712, 0.2961,
0.3168

515.4956, 0.3035,
0.3223

64.8096, 0.2945,
0.3156

142.0084, 0.2986,
0.3187

47.3067, 0.2925,
0.3141

177.2527, 0.2996,
0.3194

33.2782, 0.2900,
0.3122

217.8933, 0.3005,
0.3201

22.3396, 0.2868,
0.3098

264.3147, 0.3013,
0.3206

14.1067, 0.2826,
0.3066

316.9012, 0.3019,
0.3211

8.1949, 0.2767,
0.3021

376.0373, 0.3025,

4.2199, 0.2681,

0.3216

0.2954

442.1073, 0.3031,
0.3220

■ 1.7973, 0.2542,
0.2843

■ 0.4855, 0.2050,
0.2509

■ 86.1712, 0.2961,
0.3168

■ 86.1712, 0.2961,
0.3168

■ 75.9490, 0.2801,
0.3040

■ 97.4123, 0.3117,
0.3283

■ 66.7013, 0.2640,
0.2900

99.8702, 0.3139,
0.3309

■ 58.3958, 0.2481,
0.2748

■ 50.9944, 0.2329,
0.2585

■ 44.4554, 0.2187,
0.2415

■ 38.7329, 0.2062,
0.2240

■ 33.7755, 0.1957,
0.2066

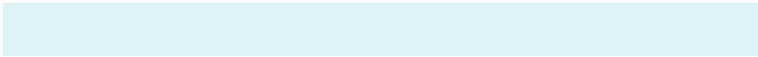
■ 29.5226, 0.1875,
0.1895

■ 26.1053, 0.1817,
0.1742

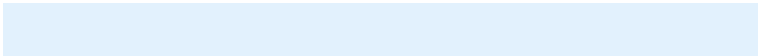
Harmonies

Analogous

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



86.1712, 0.2957, 0.3232



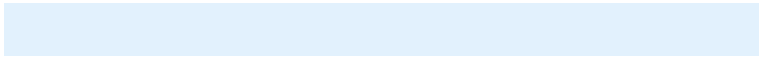
86.1712, 0.2961, 0.3168



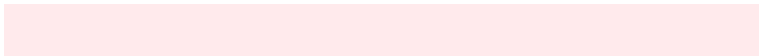
86.1712, 0.3009, 0.3138

Triad

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



86.1712, 0.2961, 0.3168



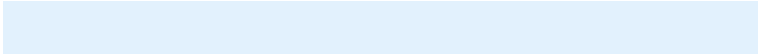
86.1712, 0.3259, 0.3265



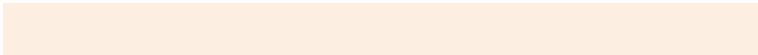
86.1712, 0.3163, 0.3438

Complementary

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



86.1712, 0.2961, 0.3168



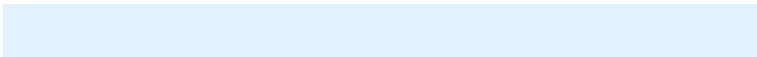
87.4830, 0.3304, 0.3409

Split Complementary

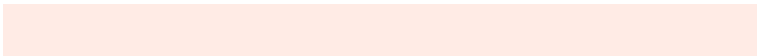
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1712, 0.3245, 0.3445



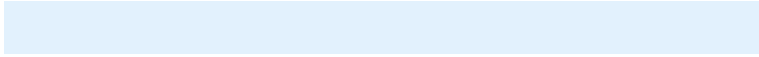
86.1712, 0.2961, 0.3168



86.1712, 0.3301, 0.3344

Square

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



86.1712, 0.2961, 0.3168



86.1712, 0.3181, 0.3194



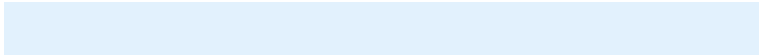
86.1712, 0.3296, 0.3410



86.1712, 0.3072, 0.3389

Rectangle

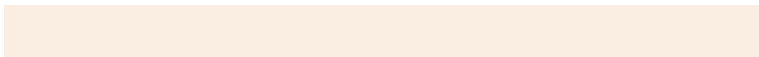
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1712, 0.2961, 0.3168



86.1712, 0.3060, 0.3140



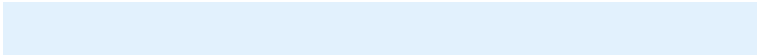
86.1712, 0.3296, 0.3410



86.1712, 0.3193, 0.3445

Sweetspot

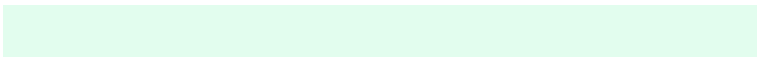
The Sweet Spot groups the original color and five complimentary colors.



86.1748, 0.2961, 0.3168



96.4342, 0.3081, 0.3257



92.5541, 0.3048, 0.3446



20.4403, 0.3069, 0.3248



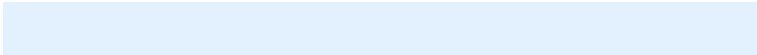
0.0000, 0.0000, 0.0000



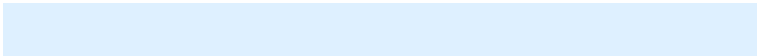
21.4041, 0.3127, 0.3290

Same Dimension

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



86.1748, 0.2961, 0.3168



85.2296, 0.2924, 0.3139



78.6226, 0.2959, 0.3031



19.0557, 0.2979, 0.3182



14.1857, 0.1825, 0.1768



1.5992, 0.1877, 0.1956

Inverse Universe

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



81.6123, 0.3217, 0.3142



79.7327, 0.3239, 0.3108



95.4712, 0.3289, 0.3537



18.1565, 0.3206, 0.3158



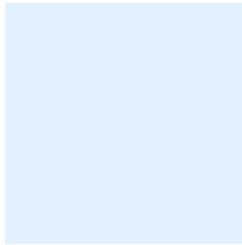
12.1600, 0.4723, 0.2376



1.2060, 0.4503, 0.2254

Previews

White Background



This preview shows how the Yxy color 86.1712, 0.2961, 0.3168 looks on a white background.

Color Contrast Check

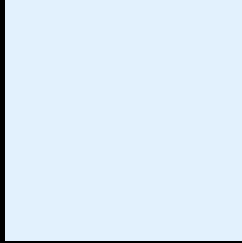
Large Text (above 18pt) WCAG AA × Fail

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 86.1712, 0.2961, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

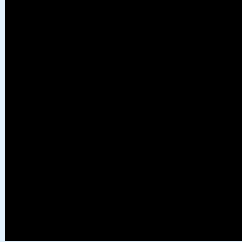
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

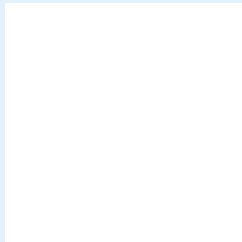
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1712, 0.2961, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 86.1712, 0.2961, 0.3168.

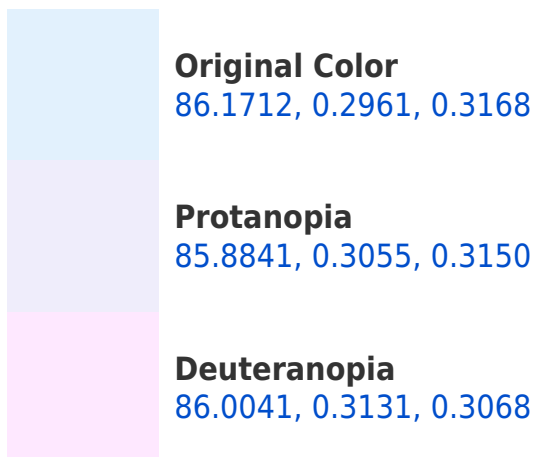


This preview shows how white text looks on a background with the Yxy color 86.1712, 0.2961, 0.3168.

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

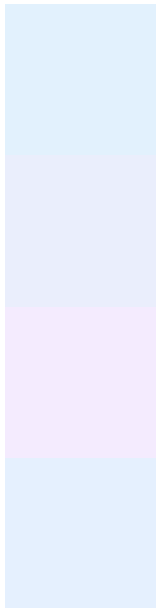




Tritanopia

86.3632, 0.2974, 0.3139

Trichromacy



Original Color

86.1712, 0.2961, 0.3168

Protanomaly

85.6698, 0.3017, 0.3149

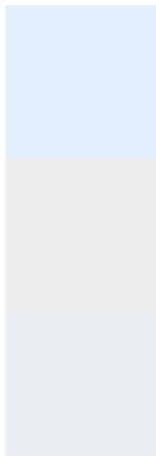
Deuteranomaly

85.8055, 0.3070, 0.3103

Tritanomaly

86.1339, 0.2974, 0.3148

Monochromacy



Original Color

86.1712, 0.2961, 0.3168

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6965, 0.3070, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1712, 0.2961, 0.3168 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(226, 241, 253)` looks like.

```
.text, #text, p{  
    color:rgb(226, 241, 253)  
}
```

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(226, 241, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 241, 253) }
```

Border

The CSS property to change the border of an element to Yxy 86.1712, 0.2961, 0.3168 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(226, 241, 253) }
```

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

```
.border{ border-color:rgb(226, 241, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 241, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(226, 241,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1712, 0.2961, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 241, 253) }
```

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

```
.background{ background-color: rgb(226,  
241, 253) }
```

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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