

Converting Colors

$Yxy(89.9607, 0.3307, 0.3635)$

Have a look what the booklet for
Yxy(89.9607, 0.3307, 0.3635)
contains.

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Color

Yxy(90.2029, 0.3300, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	F2F7D5
RGB	242, 247, 213
RGB Percent	95%, 97%, 84%
CMY	0.0510, 0.0314, 0.1646
CMYK	0.02, 0.00, 0.14, 0.03
HSL	69°, 68%, 90%
HSV	69°, 14%, 97%
XYZ	81.8898, 90.2029, 76.0583
YIQ	241.6290, 7.9340, -11.6340

Conversions

Conversions Part 2

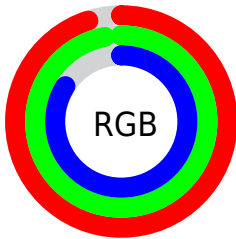
Format	Color
R_{YB}	213, 247, 218
Decimal	15923157
CIE _{Lab}	96.08, -7.33, 15.79
CIE _{LCh}	96, 17.406, 114.917
Yxy	90.2029, 0.3300, 0.3635
Android (android.graphics.Color)	4294113237 (0xFFFF2F7D5)
YUV	241.6290, -14.1141, 0.3254
Hunter-Lab	94.9752, -12.2997, 19.0019

Details

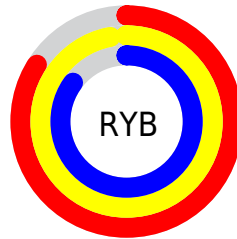
The Yxy color **90.2029, 0.3300, 0.3635** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.2248, 0.2940, 0.2928**, and the grayscale version is **88.5966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1693, 0.3340, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **88.4086, 0.3427, 0.3897**, and if you desaturate by 10%, it is **92.2090, 0.3174, 0.3382**.

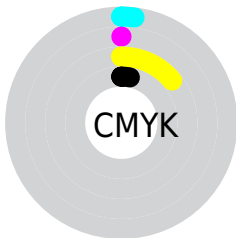
Distribution



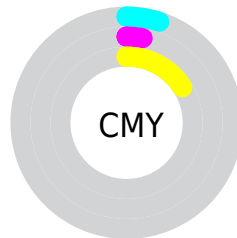
- Red (95%)
- Green (97%)
- Blue (84%)



- Red (84%)
- Yellow (97%)
- Blue (85%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)





- Cyan (5%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2029, 0.3300, 0.3635 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 90.2029, 0.3300, 0.3635 by changing the saturation by 10% instead.


 90.2029, 0.3300,
0.3635

 90.2029, 0.3300,
0.3635


528.6907, 0.3224,
0.3479

 68.1489, 0.3316,
0.3670


147.6202, 0.3274,
0.3582

 50.0189, 0.3336,
0.3712


183.7523, 0.3264,
0.3561

 35.4284, 0.3360,
0.3765


225.3460, 0.3255,
0.3543

 23.9931, 0.3391,
0.3833

272.7855, 0.3248,
0.3527

 15.3285, 0.3430,
0.3923

326.4554, 0.3241,
0.3513

 9.0503, 0.3483,
0.4049

386.7399, 0.3235,

 4.7740, 0.3556,

0.3500

0.4235

454.0235, 0.3229,
0.3489

■ 2.1153, 0.3666,
0.4542

■ 0.6732, 0.4064,
0.5936

■ 90.2029, 0.3300,
0.3635

■ 90.2029, 0.3300,
0.3635

■ 88.4086, 0.3427,
0.3897

■ 92.2090, 0.3174,
0.3382

■ 86.8055, 0.3550,
0.4159

■ 93.9358, 0.3095,
0.3213

■ 85.3882, 0.3665,
0.4415

■ 94.6123, 0.3118,
0.3213

■ 84.1466, 0.3766,
0.4651

■ 95.0050, 0.3131,
0.3214

■ 83.0694, 0.3847,
0.4859

■ 82.1442, 0.3903,
0.5028

■ 81.3562, 0.3933,
0.5152

■ 80.6878, 0.3938,
0.5230

■ 80.3149, 0.3931,
0.5261

Harmonies

Analogous

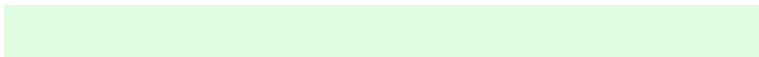
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2029, 0.3451, 0.3596



90.2029, 0.3300, 0.3635



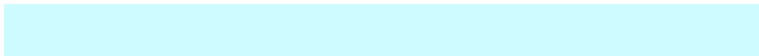
90.2029, 0.3106, 0.3575

Triad

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



90.2029, 0.3300, 0.3635



90.2029, 0.2755, 0.3086



90.2029, 0.3331, 0.3153

Complementary

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



90.2029, 0.3300, 0.3635



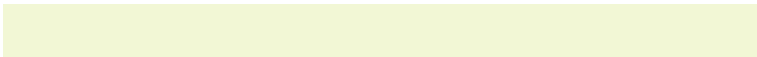
69.2248, 0.2940, 0.2928

Split Complementary

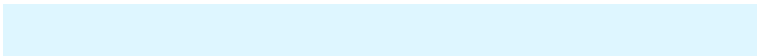
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2029, 0.3139, 0.3027



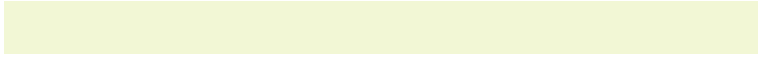
90.2029, 0.3300, 0.3635



90.2029, 0.2810, 0.2985

Square

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



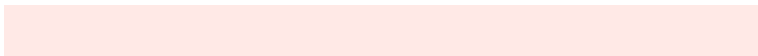
90.2029, 0.3300, 0.3635



90.2029, 0.2795, 0.3249



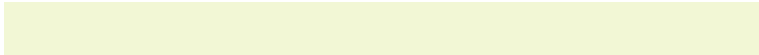
90.2029, 0.2949, 0.2965



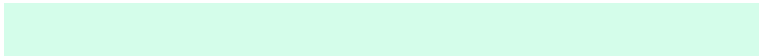
90.2029, 0.3470, 0.3315

Rectangle

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



90.2029, 0.3300, 0.3635



90.2029, 0.2979, 0.3486



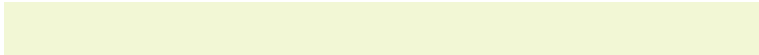
90.2029, 0.2949, 0.2965



90.2029, 0.3270, 0.3105

Sweetspot

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



90.2069, 0.3300, 0.3635



99.0763, 0.3177, 0.3388



74.4913, 0.3375, 0.3338



21.1701, 0.3186, 0.3407



0.0000, 0.0000, 0.0000



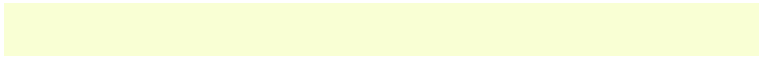
21.4041, 0.3127, 0.3290

Same Dimension

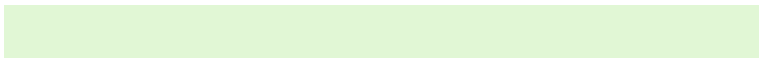
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2069, 0.3300, 0.3635



96.3241, 0.3342, 0.3720



87.4153, 0.3191, 0.3647



19.1826, 0.3246, 0.3525



42.5228, 0.3935, 0.5257



3.7703, 0.3970, 0.5230

Inverse Universe

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



69.2248, 0.2940, 0.2928



69.0436, 0.2890, 0.2833



71.8996, 0.3055, 0.2940



16.0439, 0.3002, 0.3047



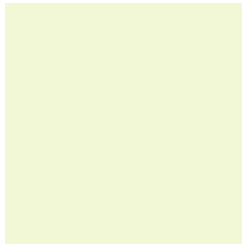
3.7906, 0.1559, 0.0633



0.3679, 0.1654, 0.0685

Previews

White Background



This preview shows how the Yxy color 90.2029, 0.3300, 0.3635 looks on a white background.

Color Contrast Check

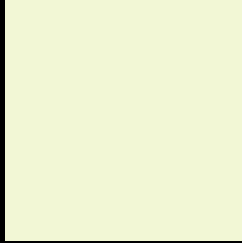
Large Text (above 18pt) WCAG AA × Fail

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 90.2029, 0.3300, 0.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

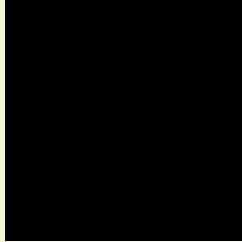
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

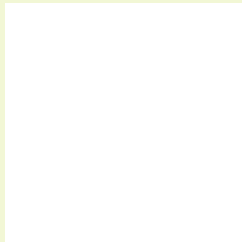
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2029, 0.3300, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 90.2029, 0.3300, 0.3635.

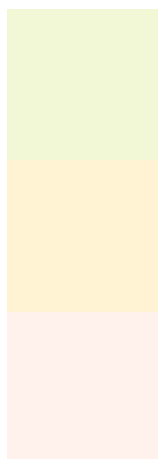


This preview shows how white text looks on a background with the Yxy color 90.2029, 0.3300, 0.3635.

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

90.2029, 0.3300, 0.3635

Protanopia

90.1147, 0.3400, 0.3598

Deuteranopia

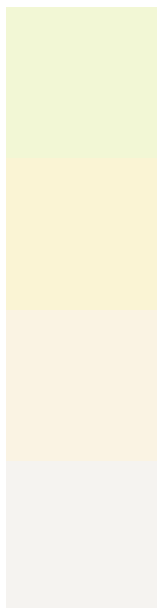
90.1688, 0.3257, 0.3349



Tritanopia

89.9048, 0.3082, 0.3153

Trichromacy



Original Color

90.2029, 0.3300, 0.3635

Protanomaly

89.7788, 0.3365, 0.3611

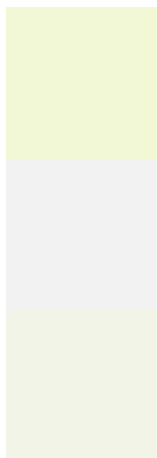
Deuteranomaly

89.9712, 0.3272, 0.3449

Tritanomaly

89.8049, 0.3158, 0.3320

Monochromacy



Original Color

90.2029, 0.3300, 0.3635

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.3481, 0.3193, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2029, 0.3300, 0.3635 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(242, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 213)  
}
```

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(242, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 213) }
```

Border

The CSS property to change the border of an element to Yxy 90.2029, 0.3300, 0.3635 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(242, 247, 213) }
```

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

```
.border{ border-color:rgb(242, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2029, 0.3300, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 213) }
```

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

```
.background{ background-color: rgb(242,  
247, 213) }
```

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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