

Converting Colors

Yxy(96.4457, 0.3507, 0.3418)

Have a look what the booklet for
Yxy(96.4457, 0.3507, 0.3418)
contains.

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Color

Yxy(90.3657, 0.3300, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E4
RGB	255, 242, 228
RGB Percent	100%, 95%, 89%
CMY	0.0001, 0.0509, 0.1059
CMYK	0.00, 0.05, 0.11, 0.00
HSL	31°, 100%, 95%
HSV	31°, 11%, 100%
XYZ	86.9915, 90.3657, 86.2534
YIQ	244.2910, 12.2420, -1.5980

Conversions

Conversions Part 2

Format	Color
R_{YB}	253, 255, 228
Decimal	16773860
CIE _{Lab}	96.15, 2.06, 8.30
CIE _{LCh}	96, 8.555, 76.081
Yxy	90.3657, 0.3300, 0.3428
Android (android.graphics.Color)	4294963940 (0xFFFFF2E4)
YUV	244.2910, -8.0315, 9.3918
Hunter-Lab	95.0609, -3.0088, 12.7459

Details

The Yxy color **90.3657, 0.3300, 0.3428** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **86.6081, 0.2962, 0.3148**, and the grayscale version is **90.7714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1407, 0.3333, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **82.0009, 0.3487, 0.3566**, and if you desaturate by 10%, it is **99.4366, 0.3136, 0.3297**.

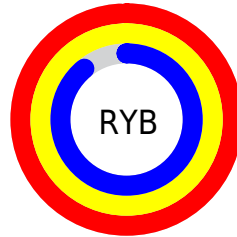
Distribution



Red (100%)

Green (95%)

Blue (89%)



Red (99%)

Yellow (100%)

Blue (89%)



Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3657, 0.3300, 0.3428 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 90.3657, 0.3300, 0.3428 by changing the saturation by 10% instead.

 90.3657, 0.3300,
0.3428

 90.3657, 0.3300,
0.3428


529.2197, 0.3223,
0.3367

 68.2840, 0.3317,
0.3441

147.8463, 0.3274,
0.3407

 50.1288, 0.3338,
0.3458


184.0139, 0.3263,
0.3399

 35.5158, 0.3363,
0.3478


225.6457, 0.3254,
0.3392

 24.0604, 0.3396,
0.3503

273.1259, 0.3247,
0.3386

 15.3785, 0.3440,
0.3537

326.8390, 0.3240,
0.3380

 9.0854, 0.3500,
0.3583

387.1695, 0.3233,

 4.7969, 0.3588,

0.3375

0.3650

454.5016, 0.3228,
0.3371

■ 2.1286, 0.3731,
0.3756

■ 0.6807, 0.4532,
0.4424

■ 90.3657, 0.3300,
0.3428

■ 90.3657, 0.3300,
0.3428

■ 82.0009, 0.3487,
0.3566

99.4366, 0.3136,
0.3297

■ 74.3116, 0.3697,
0.3707

99.9976, 0.3127,
0.3290

■ 67.2821, 0.3931,
0.3847

■ 60.8919, 0.4185,
0.3978

■ 55.1187, 0.4453,
0.4089

■ 49.9387, 0.4722,
0.4167

■ 45.3258, 0.4978,
0.4200

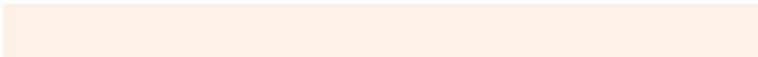
■ 41.2502, 0.5202,
0.4178

■ 37.8665, 0.5379,
0.4111

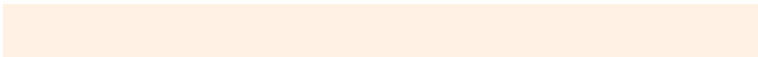
Harmonies

Analogous

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



90.3657, 0.3315, 0.3363



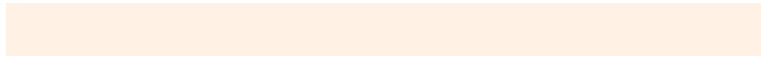
90.3657, 0.3300, 0.3428



90.3657, 0.3238, 0.3457

Triad

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



90.3657, 0.3300, 0.3428



90.3657, 0.2977, 0.3298



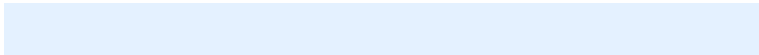
90.3657, 0.3105, 0.3145

Complementary

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



90.3657, 0.3300, 0.3428



86.6081, 0.2962, 0.3148

Split Complementary

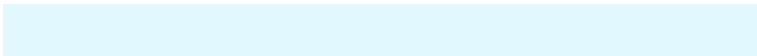
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3657, 0.3016, 0.3127



90.3657, 0.3300, 0.3428



90.3657, 0.2943, 0.3213

Square

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



90.3657, 0.3300, 0.3428



90.3657, 0.3052, 0.3382



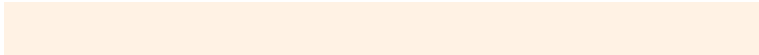
90.3657, 0.2957, 0.3151



90.3657, 0.3202, 0.3201

Rectangle

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



90.3657, 0.3300, 0.3428



90.3657, 0.3179, 0.3452



90.3657, 0.2957, 0.3151



90.3657, 0.3073, 0.3134

Sweetspot

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



90.3697, 0.3300, 0.3428



97.1927, 0.3174, 0.3328



83.0967, 0.3229, 0.3162



20.6450, 0.3186, 0.3339



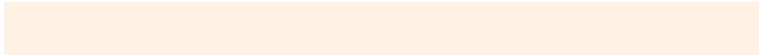
0.0000, 0.0000, 0.0000



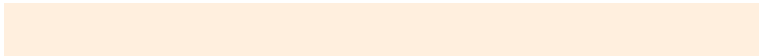
21.4041, 0.3127, 0.3290

Same Dimension

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



90.3697, 0.3300, 0.3428



88.2951, 0.3343, 0.3461



98.2855, 0.3283, 0.3552



19.5474, 0.3281, 0.3414



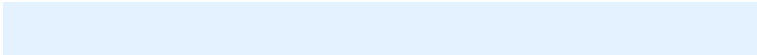
20.0892, 0.5354, 0.4131



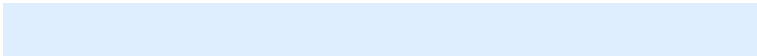
2.1749, 0.5186, 0.4264

Inverse Universe

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



86.6081, 0.2962, 0.3148



83.7517, 0.2923, 0.3113



79.2722, 0.2963, 0.3014



18.8189, 0.2979, 0.3163



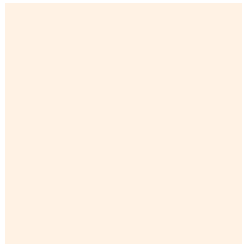
11.4185, 0.1753, 0.1510



1.3291, 0.1811, 0.1721

Previews

White Background



This preview shows how the Yxy color 90.3657, 0.3300, 0.3428 looks on a white background.

Color Contrast Check

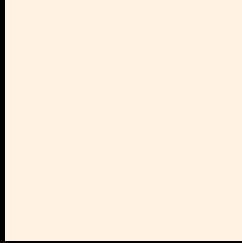
Large Text (above 18pt) WCAG AA × Fail

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 90.3657, 0.3300, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

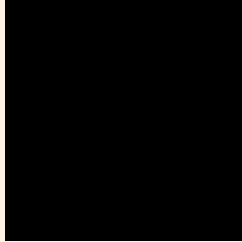
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3657, 0.3300, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 90.3657, 0.3300, 0.3428.

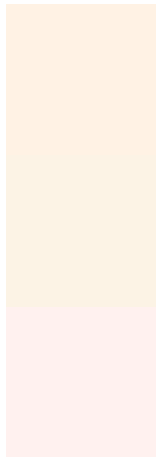


This preview shows how white text looks on a background with the Yxy color 90.3657, 0.3300, 0.3428.

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

90.3657, 0.3300, 0.3428

Protanopia

90.4538, 0.3273, 0.3428

Deuteranopia

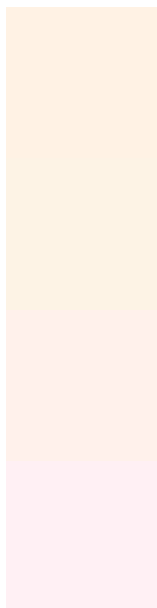
90.4026, 0.3232, 0.3310



Tritanopia

90.0849, 0.3147, 0.3155

Trichromacy



Original Color

90.3657, 0.3300, 0.3428

Protanomaly

90.6410, 0.3279, 0.3428

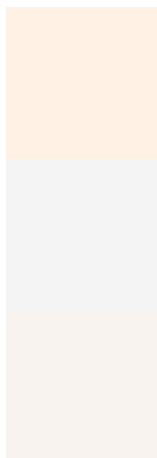
Deuteranomaly

90.1688, 0.3257, 0.3349

Tritanomaly

90.1118, 0.3202, 0.3251

Monochromacy



Original Color

90.3657, 0.3300, 0.3428

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2307, 0.3190, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3657, 0.3300, 0.3428 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(255, 242, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 228)  
}
```

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(255, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 228) }
```

Border

The CSS property to change the border of an element to Yxy 90.3657, 0.3300, 0.3428 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(255, 242, 228) }
```

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

```
.border{ border-color:rgb(255, 242, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3657, 0.3300, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 228) }
```

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

```
.background{ background-color: rgb(255,  
242, 228) }
```

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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