

Converting Colors

$Y_{xy}(90.6517, 0.3172, 0.3300)$

Have a look what the booklet for
Yxy(90.6517, 0.3172, 0.3300)
contains.

Yxy(90.6517, 0.3172, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.6517, 0.3172, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	F9F3F2
RGB	249, 243, 242
RGB Percent	98%, 95%, 95%
CMY	0.0237, 0.0470, 0.0509
CMYK	0.00, 0.02, 0.03, 0.02
HSL	9°, 37%, 96%
HSV	9°, 3%, 98%
XYZ	87.1355, 90.6517, 96.9149
YIQ	244.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

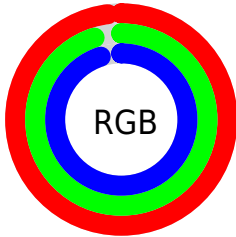
Format	Color
R _Y B	249, 243, 242
Decimal	16380914
CIE Lab	96.27, 1.82, 1.18
CIE LCh	96, 2.164, 32.942
Yxy	90.6517, 0.3172, 0.3300
Android (android.graphics.Color)	4294570994 (0xFF9F3F2)
YUV	244.6800, -1.3212, 3.7886
Hunter-Lab	95.2112, -3.2597, 6.2969

Details

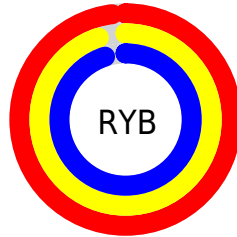
The Yxy color **90.6517, 0.3172, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.8241, 0.3084, 0.3280**, and the grayscale version is **91.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4233, 0.3185, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.2468, 0.3355, 0.3338**, and if you desaturate by 10%, it is **98.8732, 0.3090, 0.3290**.

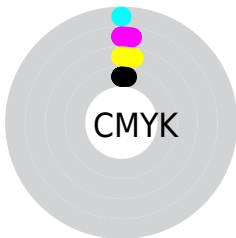
Distribution



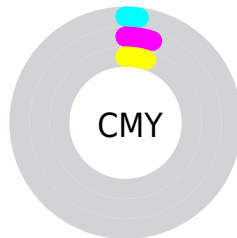
- Red (98%)
- Green (95%)
- Blue (95%)



- Red (98%)
- Yellow (95%)
- Blue (95%)



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





- Cyan (2%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.6517, 0.3172, 0.3300 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 90.6517, 0.3172, 0.3300 by changing the saturation by 10% instead.


 90.6517, 0.3172,
0.3300

 90.6517, 0.3172,
0.3300

530.1485, 0.3152,
0.3296

 68.5213, 0.3176,
0.3301

148.2433, 0.3165,
0.3299

 50.3219, 0.3182,
0.3302


184.4733, 0.3163,
0.3298

 35.6693, 0.3188,
0.3303


226.1719, 0.3160,
0.3297

 24.1789, 0.3197,
0.3305

273.7236, 0.3158,
0.3297

 15.4664, 0.3208,
0.3308

327.5127, 0.3156,
0.3297

 9.1473, 0.3224,
0.3311

387.9236, 0.3155,

 4.8374, 0.3247,

0.3296

0.3316

455.3408, 0.3153,
0.3296

■ 2.1522, 0.3284,
0.3323

■ 0.6937, 0.3399,
0.3351

■ 90.6517, 0.3172,
0.3300

■ 90.6517, 0.3172,
0.3300

■ 77.2468, 0.3355,
0.3338

■ 98.8732, 0.3090,
0.3290

■ 65.4607, 0.3579,
0.3378

■ 55.2354, 0.3851,
0.3419

■ 46.5053, 0.4178,
0.3459

■ 39.2000, 0.4560,
0.3492

■ 33.2432, 0.4986,
0.3513

■ 28.5518, 0.5426,
0.3514

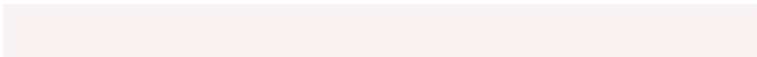
■ 25.0329, 0.5830,
0.3487

■ 22.5809, 0.6139,
0.3435

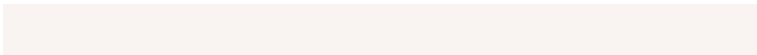
Harmonies

Analogous

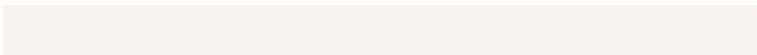
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6517, 0.3158, 0.3278



90.6517, 0.3172, 0.3300



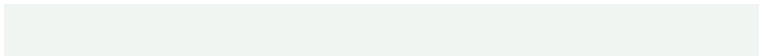
90.6517, 0.3174, 0.3319

Triad

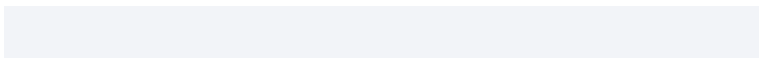
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6517, 0.3172, 0.3300



90.6517, 0.3119, 0.3321



90.6517, 0.3091, 0.3250

Complementary

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



90.6517, 0.3172, 0.3300



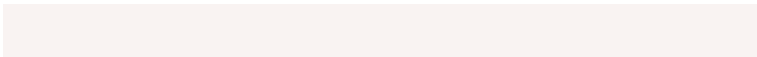
92.8241, 0.3084, 0.3280

Split Complementary

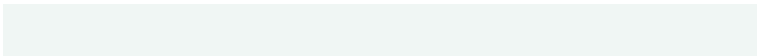
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6517, 0.3081, 0.3261



90.6517, 0.3172, 0.3300



90.6517, 0.3097, 0.3302

Square

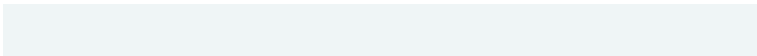
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



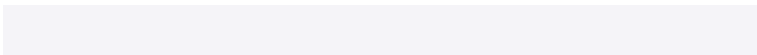
90.6517, 0.3172, 0.3300



90.6517, 0.3143, 0.3331



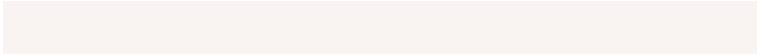
90.6517, 0.3083, 0.3280



90.6517, 0.3111, 0.3250

Rectangle

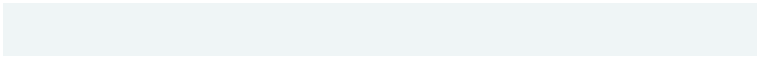
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.6517, 0.3172, 0.3300



90.6517, 0.3168, 0.3328



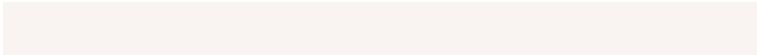
90.6517, 0.3083, 0.3280



90.6517, 0.3086, 0.3253

Sweetspot

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



90.6556, 0.3172, 0.3300



98.4535, 0.3143, 0.3294



90.4222, 0.3136, 0.3231



21.0894, 0.3142, 0.3293



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.



90.6556, 0.3172, 0.3300



95.4141, 0.3175, 0.3301



92.7081, 0.3170, 0.3333



19.3073, 0.3189, 0.3304



11.5802, 0.6267, 0.3406



1.1910, 0.6075, 0.3559

Inverse Universe

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



92.8241, 0.3084, 0.3280



97.8726, 0.3080, 0.3279



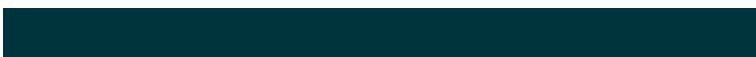
90.7545, 0.3085, 0.3246



19.9410, 0.3068, 0.3276



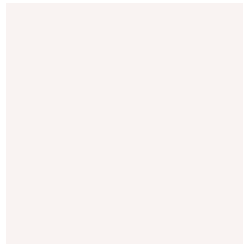
29.2756, 0.2118, 0.2823



2.8248, 0.2135, 0.2884

Previews

White Background



This preview shows how the Yxy color 90.6517, 0.3172, 0.3300 looks on a white background.

Color Contrast Check

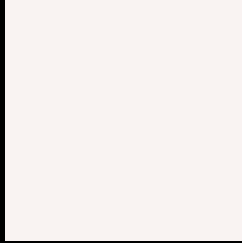
Large Text (above 18pt) WCAG AA × Fail

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 90.6517, 0.3172, 0.3300 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

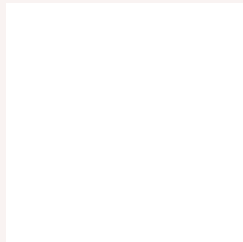
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.6517, 0.3172, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 90.6517, 0.3172, 0.3300.

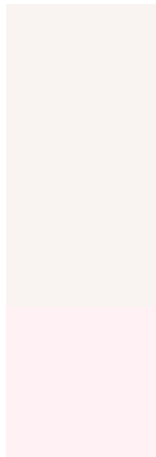


This preview shows how white text looks on a background with the Yxy color 90.6517, 0.3172, 0.3300.

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

90.6517, 0.3172, 0.3300

Protanopia

90.6517, 0.3172, 0.3300

Deuteranopia

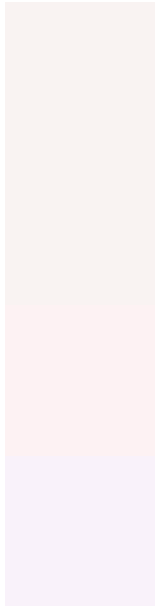
90.7022, 0.3201, 0.3261



Tritanopia

90.8640, 0.3094, 0.3164

Trichromacy



Original Color

90.6517, 0.3172, 0.3300

Protanomaly

90.6517, 0.3172, 0.3300

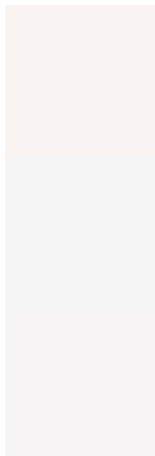
Deuteranomaly

90.8580, 0.3193, 0.3280

Tritanomaly

90.5461, 0.3124, 0.3212

Monochromacy



Original Color

90.6517, 0.3172, 0.3300

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

90.8259, 0.3140, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6517, 0.3172, 0.3300 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(249, 243, 242) looks like.

```
.text, #text, p{  
    color:rgb(249, 243, 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(249, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 243, 242) }
```

Border

The CSS property to change the border of an element to Yxy 90.6517, 0.3172, 0.3300 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(249, 243, 242) }
```

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

```
.border{ border-color:rgb(249, 243, 242) }
```

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

Here you see how a box with a 4 pixel rgb(249, 243, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(249, 243,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6517, 0.3172, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 243, 242) }
```

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

```
.background{ background-color: rgb(249,  
243, 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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