Converting Colors

Yxy(178.6989, 0.2797, 0.2016)

Have a look what the booklet for Yxy(178.6989, 0.2797, 0.2016) contains.

Yxy(100.0000, 0.3127, 0.3290) 3
Conversions 4
Details 6
Harmonies 12
Previews 23
Color Blindness Simulation 27
CSS Examples 30

Color

Yxy(100.0000, 0.3127, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFFF
RGB	255, 255, 255
RGB Percent	100%, 100%, 100%
CMY	0.0001, 0.0000, 0.0000
CMYK	0.00, 0.00, 0.00, 0.00
HSL	180°, 100%, 100%
HSV	180°, 0%, 100%
XYZ	95.0456, 100.0000, 108.9058
YIQ	255.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

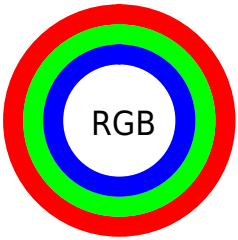
Format	Color
RYB	255, 255, 255
Decimal	16777215
CIELab	100.00, -0.00, -0.01
CIELCh	100, 0.014, 259.964
Yxy	100.0000, 0.3127, 0.3290
Android (android.graphics.Color)	4294967295 (0xFFFFFFFF)
YUV	255.0000, 0.0000, 0.0000
Hunter-Lab	100.0000, -5.3436, 5.4298

Details

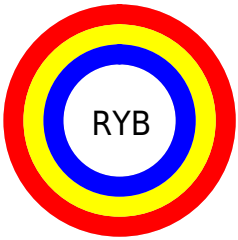
The Yxy color 100.0000, 0.3127, 0.3290 is a light color, and the websafe version is hex FFFFFF, and the color name is white. A complement of this color would be 99.9877, 0.3127, 0.3290, and the grayscale version is 99.9953, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 56.4712, 0.3127, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 95.4775, 0.2973, 0.3290, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

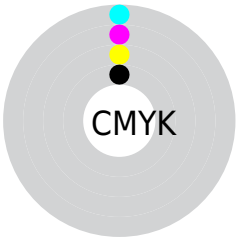
Distribution



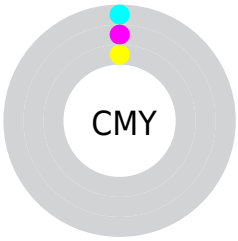
- Red (100%)
- Green (100%)
- Blue (100%)



- Red (100%)
- Yellow (100%)
- Blue (100%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 100.0000, 0.3127, 0.3290 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 100.0000, 0.3127, 0.3290 by changing the saturation by 10% instead.

100.0000, 0.3127, 0.3290

560.0512, 0.3127, 0.3290

161.1546, 0.3127, 0.3290

199.3814, 0.3127, 0.3290

243.2203, 0.3127, 0.3290

293.0558, 0.3127, 0.3290

349.2722, 0.3127, 0.3290

412.2540, 0.3127,

100.0000, 0.3127, 0.3290

76.3034, 0.3127, 0.3290

56.6813, 0.3127, 0.3290

40.7494, 0.3127, 0.3290

28.1233, 0.3127, 0.3290

18.4187, 0.3127, 0.3290

11.2510, 0.3127, 0.3290

6.2359, 0.3127,

0.3290

482.3855, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

95.4775, 0.2973, 0.3290

91.5749, 0.2827, 0.3289

88.2621, 0.2693, 0.3289

85.5106, 0.2574, 0.3288

0.3290

2.9891, 0.3126, 0.3289

1.1260, 0.3126, 0.3289

83.2892, 0.2473, 0.3288

81.5638, 0.2390, 0.3288

80.2963, 0.2327, 0.3288

79.4434, 0.2283, 0.3288

78.9529, 0.2258, 0.3287

Harmonies

Triad

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

100.0000, 0.3127, 0.3290

100.0000, 0.3128, 0.3290

100.0000, 0.3127, 0.3290

Complementary

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

100.0000, 0.3127, 0.3290

99.9877, 0.3127, 0.3290

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.

100.0000, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

100.0000, 0.3128, 0.3290

Square

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

100.0000, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

100.0000, 0.3128, 0.3290

100.0000, 0.3127, 0.3290

Rectangle

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

100.0000, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

100.0000, 0.3128, 0.3290

100.0000, 0.3127, 0.3290

Sweetspot

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

99.9967, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

99.9955, 0.3127, 0.3290

21.4041, 0.3127, 0.3290

0.0000, 0.0000, 0.0000

Same Dimension

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

99.9967, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

99.9911, 0.3127, 0.3290

21.4041, 0.3127, 0.3290

41.1433, 0.2247, 0.3287

4.0060, 0.2247, 0.3287

Inverse Universe

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

99.9888, 0.3127, 0.3290

100.0000, 0.3127, 0.3290

99.9933, 0.3127, 0.3290

21.4041, 0.3127, 0.3290

14.8814, 0.3209, 0.1542

1.4490, 0.3209, 0.1542

Previews

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

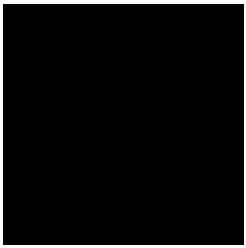
This preview shows how the Yxy color 100.0000, 0.3127, 0.3290 looks on a black background.

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 100.0000, 0.3127, 0.3290 Background



This preview shows how black text looks on a background with the Yxy color 100.0000, 0.3127, 0.3290.

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
100.0000, 0.3127, 0.3290

Protanopia
100.0000, 0.3127, 0.3290

Deuteranopia
100.0000, 0.3127, 0.3290

Tritanopia
100.0000, 0.3127, 0.3290

Trichromacy

Original Color
100.0000, 0.3127, 0.3290

Protanomaly
100.0000, 0.3127, 0.3290

Deuteranomaly
100.0000, 0.3127, 0.3290

Tritanomaly
100.0000, 0.3127, 0.3290

Monochromacy

Original Color
100.0000, 0.3127, 0.3290

Achromatopsia
100.0000, 0.3127, 0.3290

Achromatomaly
100.0000, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 100.0000, 0.3127, 0.3290 is called "color". The color property can be set on classes, ids or directly on the HTML element.

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

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, 255, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 100.0000, 0.3127, 0.3290 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, 255, 255) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to Yxy 100.0000, 0.3127, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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