

Converting Colors

$Y_{xy}(21.6706, 0.6130, 0.3173)$

Have a look what the booklet for
Yxy(21.6706, 0.6130, 0.3173)
contains.

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Color

Yxy(21.6688, 0.6129, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	FF0930
RGB	255, 9, 48
RGB Percent	100%, 4%, 19%
CMY	0.0000, 0.9641, 0.8117
CMYK	0.00, 0.96, 0.81, 0.00
HSL	351°, 100%, 52%
HSV	351°, 96%, 100%
XYZ	41.8689, 21.6688, 4.7751
YIQ	87.0000, 134.0970, 64.2810

Conversions

Conversions Part 2

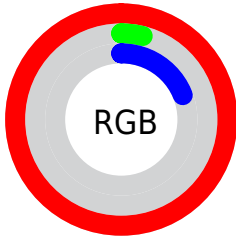
Format	Color
RYB	255, 9, 48
Decimal	16714032
CIELab	53.67, 80.12, 49.60
CIElCh	54, 94.232, 31.758
Yxy	21.6688, 0.6129, 0.3172
Android (android.graphics.Color)	4294904112 (0xFFFF0930)
YUV	87.0000, -19.2270, 147.3360
Hunter-Lab	46.5498, 79.0886, 26.5029

Details

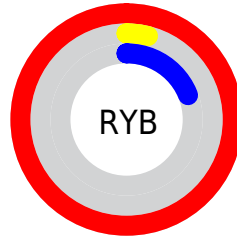
The Yxy color **21.6688, 0.6129, 0.3172** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **76.5356, 0.2389, 0.3787**, and the grayscale version is **9.5712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0099, 0.5132, 0.3332**, and **10.6979, 0.6384, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **21.4133, 0.6211, 0.3195**, and if you desaturate by 10%, it is **22.8753, 0.5827, 0.3106**.

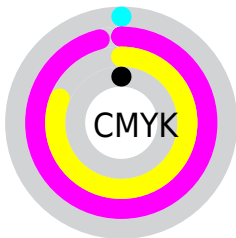
Distribution



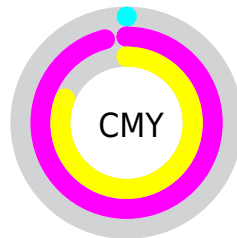
- Red (100%)
- Green (4%)
- Blue (19%)



- Red (100%)
- Yellow (4%)
- Blue (19%)



- Cyan (0%)
- Magenta (96%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6688, 0.6129, 0.3172 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 21.6688, 0.6129, 0.3172 by changing the saturation by 10% instead.


 21.6688, 0.6129,
0.3172


 21.6688, 0.6129,
0.3172


260.8118, 0.4525,
0.3422


 13.6137, 0.6506,
0.3035


 46.1980, 0.5550,
0.3318


 7.8525, 0.6964,
0.2823


 63.4409, 0.5328,
0.3356

 4.0007, 0.7506,
0.2494

 84.5152, 0.5141,
0.3381

 1.6740, 0.8035,
0.1965

 109.8053, 0.4980,
0.3398

 0.4067, 0.8935,
0.1065

 139.6957, 0.4842,
0.3409

 0.0000, 1.0000,
0.0000

 174.5706, 0.4723,

 0.0000, 0.0000,

0.3416

0.0000

214.8145, 0.4618,
0.3420

■ 21.6688, 0.6129,
0.3172

■ 21.6688, 0.6129,
0.3172

■ 21.4133, 0.6211,
0.3195


■ 22.8753, 0.5827,
0.3106


■ 25.2599, 0.5430,
0.3065

■ 29.0367, 0.4994,
0.3054


■ 34.3770, 0.4572,
0.3068

■ 41.4272, 0.4194,
0.3098

 50.3167, 0.3873,
0.3138

 61.1627, 0.3608,
0.3181

 74.0723, 0.3393,
0.3224

 89.1451, 0.3220,
0.3265

Harmonies

Analogous

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



21.6688, 0.5171, 0.2400



21.6688, 0.6129, 0.3172



21.6688, 0.5828, 0.4048

Triad

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



21.6688, 0.6129, 0.3172



21.6688, 0.2208, 0.6132



21.6688, 0.1199, 0.1225

Complementary

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



21.6688, 0.6129, 0.3172



76.5356, 0.2389, 0.3787

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.



21.6688, 0.0856, 0.1459



21.6688, 0.6129, 0.3172



21.6688, 0.1241, 0.4038

Square

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



21.6688, 0.6129, 0.3172



21.6688, 0.3471, 0.6277



21.6688, 0.0843, 0.2249



21.6688, 0.1992, 0.1325

Rectangle

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



21.6688, 0.6129, 0.3172



21.6688, 0.5203, 0.4797



21.6688, 0.0843, 0.2249



21.6688, 0.1044, 0.1261

Sweetspot

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



21.6702, 0.6129, 0.3172



58.1670, 0.3671, 0.3170



21.7165, 0.2798, 0.1324



11.4549, 0.3783, 0.3151



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.



21.6702, 0.6129, 0.3172



21.4154, 0.6211, 0.3195



28.7767, 0.5829, 0.3725



18.0339, 0.3269, 0.3253



11.2038, 0.6181, 0.3178



1.1037, 0.5906, 0.3027

Inverse Universe

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



21.6702, 0.6129, 0.3172



21.4154, 0.6211, 0.3195



37.1819, 0.1944, 0.2183



18.0339, 0.3269, 0.3253



11.2038, 0.6181, 0.3178



1.1037, 0.5906, 0.3027

Previews

White Background



This preview shows how the Yxy color 21.6688, 0.6129, 0.3172 looks on a white background.

Color Contrast Check

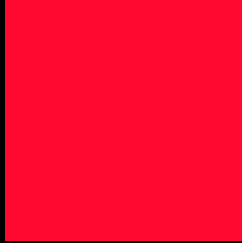
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6688, 0.6129, 0.3172 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 × Fail

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

Yxy 21.6688, 0.6129, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 21.6688, 0.6129, 0.3172.



This preview shows how white text looks on a background with the Yxy color 21.6688, 0.6129, 0.3172.

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

21.6688, 0.6129, 0.3172

Protanopia

21.9593, 0.3895, 0.4218

Deuteranopia

22.0316, 0.4613, 0.4540



Tritanopia

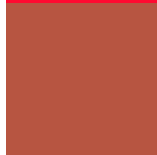
21.6446, 0.6351, 0.3340

Trichromacy



Original Color

21.6688, 0.6129, 0.3172



Protanomaly

16.9459, 0.4975, 0.3553



Deuteranomaly

17.8917, 0.5475, 0.3755



Tritanomaly

21.5122, 0.6315, 0.3299

Monochromacy



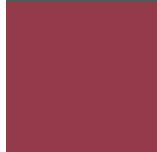
Original Color

21.6688, 0.6129, 0.3172



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.9049, 0.4636, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6688, 0.6129, 0.3172 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, 9, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 9, 48)  
}
```

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, 9, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 9, 48) }
```

Border

The CSS property to change the border of an element to Yxy 21.6688, 0.6129, 0.3172 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, 9, 48) }
```

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

```
.border{ border-color:rgb(255, 9, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 9, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 9, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 9, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 9, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6688, 0.6129, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 9, 48) }
```

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

```
.background{ background-color: rgb(255, 9,  
48) }
```

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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