

Converting Colors

$Y_{xy}(22.0650, 0.6129, 0.3219)$

Have a look what the booklet for
Yxy(22.0650, 0.6129, 0.3219)
contains.

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Color

Yxy(22.0546, 0.6133, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	FF172C
RGB	255, 23, 44
RGB Percent	100%, 9%, 17%
CMY	0.0001, 0.9091, 0.8276
CMYK	0.00, 0.91, 0.83, 0.00
HSL	355°, 100%, 55%
HSV	355°, 91%, 100%
XYZ	41.9934, 22.0546, 4.4232
YIQ	94.7620, 131.5310, 55.7150

Conversions

Conversions Part 2

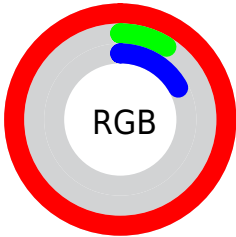
Format	Color
RYB	255, 23, 44
Decimal	16717612
CIELab	54.08, 78.73, 52.08
CIElCh	54, 94.397, 33.487
Yxy	22.0546, 0.6133, 0.3221
Android (android.graphics.Color)	4294907692 (0xFFFF172C)
YUV	94.7620, -25.0257, 140.5287
Hunter-Lab	46.9623, 77.4296, 27.2893

Details

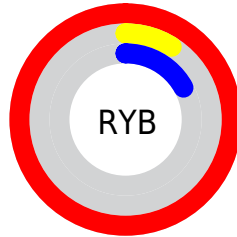
The Yxy color **22.0546, 0.6133, 0.3221** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.6376, 0.2329, 0.3547**, and the grayscale version is **11.4428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5354, 0.5145, 0.3386**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3163, 0.6324, 0.3258**, and if you desaturate by 10%, it is **23.8310, 0.5792, 0.3185**.

Distribution



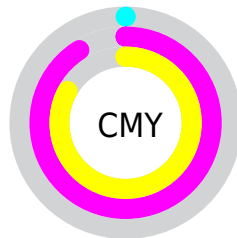
- Red (100%)
- Green (9%)
- Blue (17%)



- Red (100%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (91%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0546, 0.6133, 0.3221 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 22.0546, 0.6133, 0.3221 by changing the saturation by 10% instead.


 22.0546, 0.6133,
0.3221


 22.0546, 0.6133,
0.3221


262.8313, 0.4539,
0.3453


 13.8970, 0.6502,
0.3085


 46.8362, 0.5562,
0.3363


 8.0491, 0.6954,
0.2879


 64.2291, 0.5342,
0.3399

 4.1264, 0.7457,
0.2543

 85.4691, 0.5155,
0.3422

 1.7445, 0.7978,
0.2022

 110.9408, 0.4995,
0.3436

 0.4522, 0.8836,
0.1164

 141.0284, 0.4857,
0.3445

 0.0000, 1.0000,
0.0000

 176.1164, 0.4737,

 0.0000, 0.0000,

0.3450

0.0000

216.5893, 0.4632,
0.3453

■ 22.0546, 0.6133,
0.3221

■ 22.0546, 0.6133,
0.3221

■ 21.3163, 0.6324,
0.3258

■ 23.8310, 0.5792,
0.3185

■ 26.9189, 0.5357,
0.3166

■ 31.5098, 0.4897,
0.3164

■ 37.7624, 0.4463,
0.3175

■ 45.8155, 0.4085,
0.3194

■ 55.7933, 0.3769,
0.3218

■ 67.8087, 0.3512,
0.3242

■ 81.9662, 0.3306,
0.3266

■ 98.3630, 0.3141,
0.3288

Harmonies

Analogous

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



22.0546, 0.5251, 0.2447



22.0546, 0.6133, 0.3221



22.0546, 0.5777, 0.4108

Triad

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



22.0546, 0.6133, 0.3221



22.0546, 0.2146, 0.6038



22.0546, 0.1235, 0.1228

Complementary

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



22.0546, 0.6133, 0.3221



77.6376, 0.2329, 0.3547

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.



22.0546, 0.0872, 0.1440



22.0546, 0.6133, 0.3221



22.0546, 0.1209, 0.3904

Square

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



22.0546, 0.6133, 0.3221



22.0546, 0.3399, 0.6310



22.0546, 0.0840, 0.2186



22.0546, 0.2060, 0.1345

Rectangle

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



22.0546, 0.6133, 0.3221



22.0546, 0.5134, 0.4866



22.0546, 0.0840, 0.2186



22.0546, 0.1072, 0.1257

Sweetspot

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



22.0560, 0.6133, 0.3221



60.2614, 0.3662, 0.3227



24.9589, 0.2977, 0.1441



12.0628, 0.3755, 0.3219



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.



22.0560, 0.6133, 0.3221



21.3214, 0.6324, 0.3258



33.7829, 0.5522, 0.3918



18.0135, 0.3280, 0.3269



11.1498, 0.6303, 0.3246



1.0942, 0.6107, 0.3138

Inverse Universe

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



22.0560, 0.6133, 0.3221



21.3214, 0.6324, 0.3258



33.3316, 0.1912, 0.2032



18.0135, 0.3280, 0.3269



11.1498, 0.6303, 0.3246



1.0942, 0.6107, 0.3138

Previews

White Background



This preview shows how the Yxy color 22.0546, 0.6133, 0.3221 looks on a white background.

Color Contrast Check

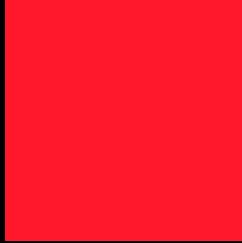
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0546, 0.6133, 0.3221 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 22.0546, 0.6133, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 22.0546, 0.6133, 0.3221.



This preview shows how white text looks on a background with the Yxy color 22.0546, 0.6133, 0.3221.

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

22.0546, 0.6133, 0.3221

Protanopia

22.2346, 0.3961, 0.4320

Deuteranopia

22.1054, 0.4659, 0.4576



Tritanopia

22.1410, 0.6268, 0.3322

Trichromacy



Original Color

22.0546, 0.6133, 0.3221

Protanomaly

17.9988, 0.4985, 0.3689

Deuteranomaly

18.7705, 0.5467, 0.3852

Tritanomaly

22.0875, 0.6230, 0.3290

Monochromacy



Original Color

22.0546, 0.6133, 0.3221

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5504, 0.4563, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0546, 0.6133, 0.3221 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, 23, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 44)  
}
```

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, 23, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 44) }
```

Border

The CSS property to change the border of an element to Yxy 22.0546, 0.6133, 0.3221 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, 23, 44) }
```

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

```
.border{ border-color:rgb(255, 23, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 23, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0546, 0.6133, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 44) }
```

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

```
.background{ background-color: rgb(255, 23,  
44) }
```

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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