

Converting Colors

$Yxy(22.2487, 0.6167, 0.3314)$

Have a look what the booklet for
Yxy(22.2487, 0.6167, 0.3314)
contains.

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Color

Yxy(22.2487, 0.6167, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	FD2420
RGB	253, 36, 32
RGB Percent	99%, 14%, 13%
CMY	0.0078, 0.8588, 0.8742
CMYK	0.00, 0.86, 0.87, 0.01
HSL	1°, 98%, 56%
HSV	1°, 87%, 99%
XYZ	41.4025, 22.2487, 3.4843
YIQ	100.4270, 130.6160, 44.7600

Conversions

Conversions Part 2

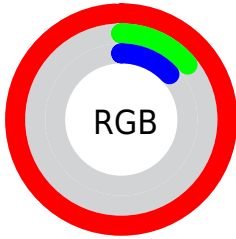
Format	Color
RYB	253, 36, 32
Decimal	16589856
CIELab	54.29, 76.05, 57.69
CIElCh	54, 95.457, 37.185
Yxy	22.2487, 0.6167, 0.3314
Android (android.graphics.Color)	4294779936 (0xFFFD2420)
YUV	100.4270, -33.7345, 133.8065
Hunter-Lab	47.1685, 74.1345, 28.6382

Details

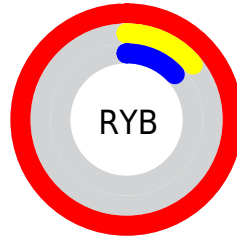
The Yxy color **22.2487, 0.6167, 0.3314** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **75.2070, 0.2250, 0.3240**, and the grayscale version is **12.9238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3695, 0.5224, 0.3524**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.1414, 0.6360, 0.3306**, and if you desaturate by 10%, it is **24.5044, 0.5815, 0.3320**.

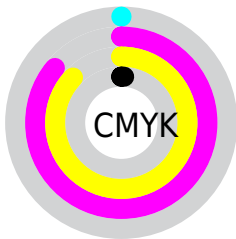
Distribution



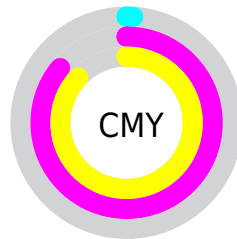
- Red (99%)
- Green (14%)
- Blue (13%)



- Red (99%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (86%)
- Yellow (87%)
- Black (1%)





- Cyan (1%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2487, 0.6167, 0.3314 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 22.2487, 0.6167, 0.3314 by changing the saturation by 10% instead.


 22.2487, 0.6167,
0.3314


 22.2487, 0.6167,
0.3314


263.8423, 0.4579,
0.3522


 14.0398, 0.6520,
0.3176


 47.1567, 0.5608,
0.3454

 8.1483, 0.6983,
0.2981


 64.6245, 0.5389,
0.3487


 4.1900, 0.7386,
0.2614


 85.9475, 0.5202,
0.3507

 1.7804, 0.7902,
0.2098

 111.5099, 0.5041,
0.3518

 0.4749, 0.8750,
0.1250

 141.6962, 0.4902,
0.3523


 0.0000, 1.0000,
0.0000


 176.8908, 0.4780,


 0.0000, 0.0000,


0.3525

0.0000


 217.4780, 0.4673,
0.3524


 22.2487, 0.6167,
0.3314


 22.2487, 0.6167,
0.3314


 21.1414, 0.6360,
0.3306


 24.5044, 0.5815,
0.3320


 20.9813, 0.6392,
0.3307

 28.1113, 0.5360,
0.3322


 33.2376, 0.4880,
0.3320

 40.0261, 0.4431,
0.3316

 48.6032, 0.4042,
0.3311

 59.0829, 0.3721,
0.3305

 71.5700, 0.3461,
0.3299

 86.1615, 0.3253,
0.3294

99.6239, 0.3115,
0.3290

Harmonies

Analogous

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



22.2487, 0.5446, 0.2533



22.2487, 0.6167, 0.3314



22.2487, 0.5689, 0.4236

Triad

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



22.2487, 0.6167, 0.3314



22.2487, 0.1992, 0.5867



22.2487, 0.1298, 0.1216

Complementary

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



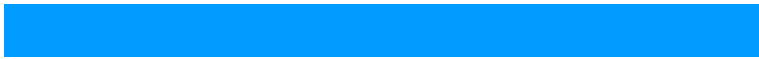
22.2487, 0.6167, 0.3314



75.2070, 0.2250, 0.3240

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.



22.2487, 0.0888, 0.1381



22.2487, 0.6167, 0.3314



22.2487, 0.1122, 0.3634

Square

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



22.2487, 0.6167, 0.3314



22.2487, 0.3232, 0.6408



22.2487, 0.0815, 0.2040



22.2487, 0.2197, 0.1370

Rectangle

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



22.2487, 0.6167, 0.3314



22.2487, 0.4988, 0.5012



22.2487, 0.0815, 0.2040



22.2487, 0.1117, 0.1232

Sweetspot

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



22.2501, 0.6167, 0.3314



61.6942, 0.3683, 0.3304



28.7810, 0.3244, 0.1605



12.3456, 0.3785, 0.3306



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.



22.2501, 0.6167, 0.3314



21.3582, 0.6392, 0.3307



41.6157, 0.5139, 0.4186



18.0386, 0.3294, 0.3295



11.1824, 0.6388, 0.3310



1.1062, 0.6359, 0.3333

Inverse Universe

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



75.2070, 0.2250, 0.3240



75.8889, 0.2231, 0.3233



25.8255, 0.1838, 0.1724



20.4229, 0.2980, 0.3285



39.6787, 0.2232, 0.3233



3.8803, 0.2233, 0.3240

Previews

White Background



This preview shows how the Yxy color 22.2487, 0.6167, 0.3314 looks on a white background.

Color Contrast Check

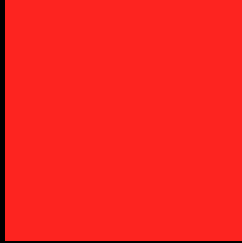
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2487, 0.6167, 0.3314 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 22.2487, 0.6167, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 22.2487, 0.6167, 0.3314.



This preview shows how white text looks on a background with the Yxy color 22.2487, 0.6167, 0.3314.

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

22.2487, 0.6167, 0.3314

Protanopia

22.5094, 0.4122, 0.4540

Deuteranopia

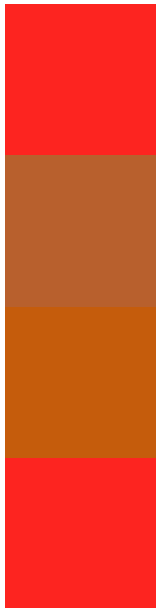
22.4146, 0.4708, 0.4644



Tritanopia

22.2487, 0.6167, 0.3314

Trichromacy



Original Color

22.2487, 0.6167, 0.3314

Protanomaly

18.7456, 0.5090, 0.3907

Deuteranomaly

19.5512, 0.5474, 0.3976

Tritanomaly

22.2487, 0.6167, 0.3314

Monochromacy



Original Color

22.2487, 0.6167, 0.3314

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8837, 0.4553, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2487, 0.6167, 0.3314 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(253, 36, 32)` looks like.

```
.text, #text, p{  
    color:rgb(253, 36, 32)  
}
```

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(253, 36, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 36, 32) }
```

Border

The CSS property to change the border of an element to Yxy 22.2487, 0.6167, 0.3314 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(253, 36, 32) }
```

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

```
.border{ border-color:rgb(253, 36, 32) }
```

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

Here you see how a box with a 4 pixel rgb(253, 36, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 36, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 36, 32);  
box-shadow:4px 4px 4px 4px rgb(253, 36,  
32) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2487, 0.6167, 0.3314$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 36, 32) }
```

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

```
.background{ background-color: rgb(253, 36,  
32) }
```

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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