

Converting Colors

$Y_{xy}(21.7600, 0.6202, 0.3295)$

Have a look what the booklet for
Yxy(21.7600, 0.6202, 0.3295)
contains.

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Color

Yxy(21.7229, 0.6198, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	FC1E1F
RGB	252, 30, 31
RGB Percent	99%, 12%, 12%
CMY	0.0119, 0.8818, 0.8785
CMYK	0.00, 0.88, 0.88, 0.01
HSL	360°, 97%, 55%
HSV	360°, 88%, 99%
XYZ	40.8491, 21.7229, 3.3349
YIQ	96.4920, 131.9910, 47.3750

Conversions

Conversions Part 2

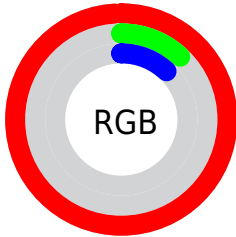
Format	Color
R_{YB}	252, 30, 31
Decimal	16522783
CIE Lab	53.73, 76.76, 57.65
CIE LCh	54, 95.998, 36.909
Yxy	21.7229, 0.6198, 0.3296
Android (android.graphics.Color)	4294712863 (0xFFFC1E1F)
YUV	96.4920, -32.2876, 136.3805
Hunter-Lab	46.6078, 74.8812, 28.3832

Details

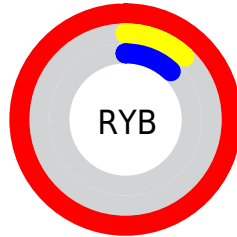
The Yxy color **21.7229, 0.6198, 0.3296** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **76.8542, 0.2264, 0.3298**, and the grayscale version is **11.8962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7398, 0.5259, 0.3504**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.8103, 0.6374, 0.3298**, and if you desaturate by 10%, it is **23.7402, 0.5859, 0.3294**.

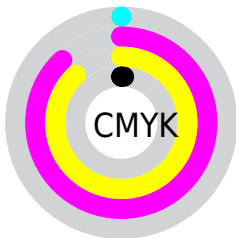
Distribution



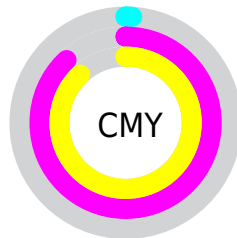
- Red (99%)
- Green (12%)
- Blue (12%)



- Red (99%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (88%)
- Yellow (88%)
- Black (1%)




- Cyan (1%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7229, 0.6198, 0.3296 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 21.7229, 0.6198, 0.3296 by changing the saturation by 10% instead.


 21.7229, 0.6198,
0.3296


 21.7229, 0.6198,
0.3296


261.0958, 0.4590,
0.3517


 13.6534, 0.6555,
0.3153


 46.2876, 0.5632,
0.3442


 7.8800, 0.7033,
0.2954


 63.5516, 0.5411,
0.3477


 4.0183, 0.7427,
0.2573

 84.6492, 0.5221,
0.3499

 1.6838, 0.7953,
0.2047

 109.9649, 0.5058,
0.3511

 0.4131, 0.8863,
0.1137

 139.8830, 0.4917,
0.3517

 0.0000, 1.0000,
0.0000

 174.7879, 0.4794,

 0.0000, 0.0000,


0.3519

0.0000


 215.0640, 0.4686,
0.3519


 21.7229, 0.6198,
0.3296

 21.7229, 0.6198,
0.3296


 20.8103, 0.6374,
0.3298


 23.7402, 0.5859,
0.3294

 20.6924, 0.6398,
0.3298

 27.1016, 0.5409,
0.3291

 31.9877, 0.4924,
0.3290

 38.5503, 0.4468,
0.3289

 46.9231, 0.4071,
0.3289

 57.2261, 0.3743,
0.3289

 69.5690, 0.3478,
0.3289

 84.0535, 0.3266,
0.3290

99.4303, 0.3108,
0.3290

Harmonies

Analogous

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



21.7229, 0.5462, 0.2515



21.7229, 0.6198, 0.3296



21.7229, 0.5718, 0.4223

Triad

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



21.7229, 0.6198, 0.3296



21.7229, 0.1984, 0.5926



21.7229, 0.1277, 0.1199

Complementary

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



21.7229, 0.6198, 0.3296



76.8542, 0.2264, 0.3298

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.



21.7229, 0.0869, 0.1366



21.7229, 0.6198, 0.3296



21.7229, 0.1106, 0.3654

Square

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



21.7229, 0.6198, 0.3296



21.7229, 0.3230, 0.6438



21.7229, 0.0798, 0.2033



21.7229, 0.2175, 0.1352

Rectangle

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



21.7229, 0.6198, 0.3296



21.7229, 0.5001, 0.4999



21.7229, 0.0798, 0.2033



21.7229, 0.1097, 0.1216

Sweetspot

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



21.7243, 0.6198, 0.3296



61.1984, 0.3684, 0.3289



27.9684, 0.3171, 0.1560



12.2325, 0.3786, 0.3289



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.



21.7243, 0.6198, 0.3296



21.2621, 0.6398, 0.3298



38.7768, 0.5237, 0.4114



17.2263, 0.3294, 0.3290



10.7821, 0.6397, 0.3298



0.9990, 0.6387, 0.3292

Inverse Universe

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



21.7243, 0.6198, 0.3296



21.2621, 0.6398, 0.3298



27.4786, 0.1860, 0.1813



17.2263, 0.3294, 0.3290



10.7821, 0.6397, 0.3298



0.9990, 0.6387, 0.3292

Previews

White Background



This preview shows how the Yxy color 21.7229, 0.6198, 0.3296 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 21.7229, 0.6198, 0.3296 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 21.7229, 0.6198, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 21.7229, 0.6198, 0.3296.



This preview shows how white text looks on a background with the Yxy color 21.7229, 0.6198, 0.3296.

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

21.7229, 0.6198, 0.3296

Protanopia

21.8777, 0.4138, 0.4533

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.7456, 0.6228, 0.3319

Trichromacy



Original Color

21.7229, 0.6198, 0.3296

Protanomaly

18.0778, 0.5130, 0.3880

Deuteranomaly

18.7710, 0.5506, 0.3954

Tritanomaly

21.7546, 0.6218, 0.3313

Monochromacy



Original Color

21.7229, 0.6198, 0.3296

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0184, 0.4584, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7229, 0.6198, 0.3296 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(252, 30, 31)` looks like.

```
.text, #text, p{  
    color:rgb(252, 30, 31)  
}
```

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(252, 30, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 30, 31) }
```

Border

The CSS property to change the border of an element to Yxy 21.7229, 0.6198, 0.3296 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(252, 30, 31) }
```

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

```
.border{ border-color:rgb(252, 30, 31) }
```

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

Here you see how a box with a 4 pixel rgb(252, 30, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 30, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 30, 31);  
box-shadow:4px 4px 4px 4px rgb(252, 30,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7229, 0.6198, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 30, 31) }
```

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

```
.background{ background-color: rgb(252, 30,  
31) }
```

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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