

Converting Colors

$Yxy(21.9746, 0.6219, 0.3275)$

Have a look what the booklet for
Yxy(21.9746, 0.6219, 0.3275)
contains.

Yxy(22.0176, 0.6219, 0.3274)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.0176, 0.6219, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	FF1820
RGB	255, 24, 32
RGB Percent	100%, 9%, 13%
CMY	0.0001, 0.9054, 0.8746
CMYK	0.00, 0.91, 0.87, 0.00
HSL	358°, 100%, 55%
HSV	358°, 91%, 100%
XYZ	41.8227, 22.0176, 3.4096
YIQ	93.9810, 135.1080, 51.4600

Conversions

Conversions Part 2

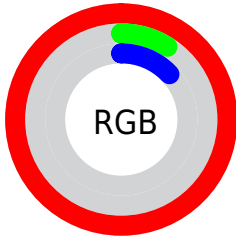
Format	Color
R_{YB}	255, 24, 32
Decimal	16717856
CIE Lab	54.05, 78.38, 57.73
CIE LCh	54, 97.346, 36.373
Yxy	22.0176, 0.6219, 0.3274
Android (android.graphics.Color)	4294907936 (0xFFFF1820)
YUV	93.9810, -30.5566, 141.2137
Hunter-Lab	46.9229, 76.9830, 28.5378

Details

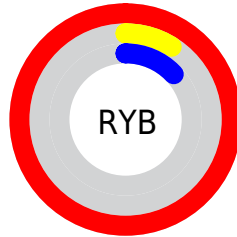
The Yxy color **22.0176, 0.6219, 0.3274** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **78.4286, 0.2284, 0.3383**, and the grayscale version is **11.2530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5397, 0.5267, 0.3495**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2758, 0.6377, 0.3287**, and if you desaturate by 10%, it is **23.7966, 0.5900, 0.3259**.

Distribution



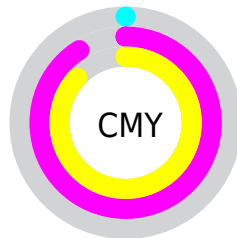
- Red (100%)
- Green (9%)
- Blue (13%)



- Red (100%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (91%)
- Yellow (87%)
- Black (0%)




- Cyan (0%)
- Magenta (91%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0176, 0.6219, 0.3274 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 22.0176, 0.6219, 0.3274 by changing the saturation by 10% instead.


 22.0176, 0.6219,
0.3274


 22.0176, 0.6219,
0.3274


262.6382, 0.4604,
0.3507


 13.8698, 0.6576,
0.3129

 46.7751, 0.5652,
0.3424


 8.0302, 0.7049,
0.2927


 64.1536, 0.5429,
0.3461


 4.1143, 0.7450,
0.2550

 85.3778, 0.5239,
0.3484

 1.7377, 0.7972,
0.2028

 110.8321, 0.5075,
0.3497

 0.4479, 0.8837,
0.1163

 140.9009, 0.4933,
0.3505


 0.0000, 1.0000,
0.0000


 175.9686, 0.4809,


 0.0000, 0.0000,

0.3508


0.0000


 216.4195, 0.4700,
0.3509

 22.0176, 0.6219,
0.3274


 22.0176, 0.6219,
0.3274


 21.2758, 0.6377,
0.3287

 23.7966, 0.5900,
0.3259


 26.9018, 0.5466,
0.3249


 31.5266, 0.4989,
0.3247

 37.8315, 0.4533,
0.3250

 45.9569, 0.4132,
0.3256

 56.0283, 0.3798,
0.3264

 68.1603, 0.3527,
0.3273

 82.4583, 0.3309,
0.3281

99.0208, 0.3135,
0.3290

Harmonies

Analogous

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



22.0176, 0.5457, 0.2494



22.0176, 0.6219, 0.3274



22.0176, 0.5747, 0.4199

Triad

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



22.0176, 0.6219, 0.3274



22.0176, 0.1991, 0.5987



22.0176, 0.1255, 0.1188

Complementary

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



22.0176, 0.6219, 0.3274



78.4286, 0.2284, 0.3383

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.



22.0176, 0.0854, 0.1361



22.0176, 0.6219, 0.3274



22.0176, 0.1102, 0.3695

Square

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



22.0176, 0.6219, 0.3274



22.0176, 0.3244, 0.6452



22.0176, 0.0787, 0.2040



22.0176, 0.2145, 0.1335

Rectangle

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



22.0176, 0.6219, 0.3274



22.0176, 0.5024, 0.4976



22.0176, 0.0787, 0.2040



22.0176, 0.1078, 0.1206

Sweetspot

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



22.0190, 0.6219, 0.3274



60.0931, 0.3695, 0.3267



27.0101, 0.3093, 0.1506



12.0245, 0.3794, 0.3264



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.



22.0190, 0.6219, 0.3274



21.2790, 0.6377, 0.3287



36.7633, 0.5382, 0.4028



17.9971, 0.3289, 0.3282



11.1231, 0.6366, 0.3281



1.0864, 0.6285, 0.3236

Inverse Universe

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



22.0190, 0.6219, 0.3274



21.2790, 0.6377, 0.3287



29.5777, 0.1870, 0.1874



17.9971, 0.3289, 0.3282



11.1231, 0.6366, 0.3281



1.0864, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 22.0176, 0.6219, 0.3274 looks on a white background.

Color Contrast Check

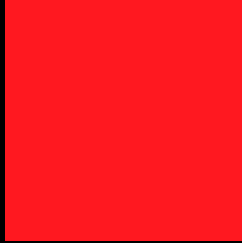
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0176, 0.6219, 0.3274 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 22.0176, 0.6219, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 22.0176, 0.6219, 0.3274.



This preview shows how white text looks on a background with the Yxy color 22.0176, 0.6219, 0.3274.

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

22.0176, 0.6219, 0.3274

Protanopia

22.2513, 0.4124, 0.4514

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.0393, 0.6288, 0.3322

Trichromacy



Original Color

22.0176, 0.6219, 0.3274



Protanomaly

17.9937, 0.5156, 0.3827



Deuteranomaly

18.7133, 0.5547, 0.3917



Tritanomaly

22.0132, 0.6270, 0.3308

Monochromacy



Original Color

22.0176, 0.6219, 0.3274



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.4835, 0.4660, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0176, 0.6219, 0.3274 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, 24, 32)` looks like.

```
.text, #text, p{  
  color:rgb(255, 24, 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(255, 24, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 32) }
```

Border

The CSS property to change the border of an element to Yxy 22.0176, 0.6219, 0.3274 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, 24, 32) }
```

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

```
.border{ border-color:rgb(255, 24, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 24, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0176, 0.6219, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 32) }
```

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

```
.background{ background-color: rgb(255, 24,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor