

Converting Colors

$Y_{xy}(22.1832, 0.6221, 0.3295)$

Have a look what the booklet for
Yxy(22.1832, 0.6221, 0.3295)
contains.

Yxy(22.1792, 0.6223, 0.3296)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.1792, 0.6223, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	FF1C1D
RGB	255, 28, 29
RGB Percent	100%, 11%, 11%
CMY	0.0000, 0.8900, 0.8862
CMYK	0.00, 0.89, 0.89, 0.00
HSL	360°, 100%, 56%
HSV	360°, 89%, 100%
XYZ	41.8754, 22.1792, 3.2367
YIQ	95.9870, 134.9710, 48.4350

Conversions

Conversions Part 2

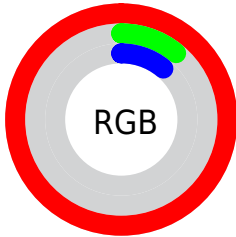
Format	Color
RYB	255, 28, 29
Decimal	16718877
CIELab	54.22, 77.80, 59.11
CIElCh	54, 97.709, 37.224
Yxy	22.1792, 0.6223, 0.3296
Android (android.graphics.Color)	4294908957 (0xFFFF1C1D)
YUV	95.9870, -33.0246, 139.4544
Hunter-Lab	47.0948, 76.3012, 28.8915

Details

The Yxy color **22.1792, 0.6223, 0.3296** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **78.9216, 0.2263, 0.3299**, and the grayscale version is **11.7590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7107, 0.5279, 0.3520**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3221, 0.6386, 0.3298**, and if you desaturate by 10%, it is **24.1260, 0.5899, 0.3293**.

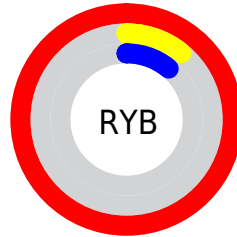
Distribution



Red (100%)

Green (11%)

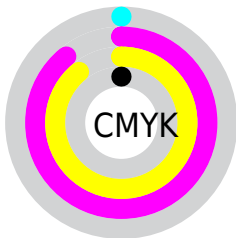
Blue (11%)



Red (100%)

Yellow (11%)

Blue (11%)

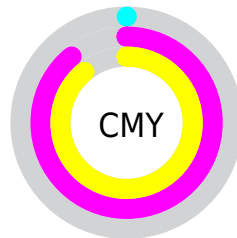


Cyan (0%)

Magenta (89%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1792, 0.6223, 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 22.1792, 0.6223, 0.3296 by changing the saturation by 10% instead.


 22.1792, 0.6223,
0.3296


 22.1792, 0.6223,
0.3296


263.4807, 0.4613,
0.3524

 13.9886, 0.6575,
0.3151

 47.0420, 0.5660,
0.3446

 8.1128, 0.7048,
0.2952


 64.4830, 0.5439,
0.3482

 4.1672, 0.7430,
0.2570

 85.7763, 0.5249,
0.3504

 1.7675, 0.7948,
0.2052

 111.3063, 0.5085,
0.3516

 0.4668, 0.8797,
0.1203

 141.4573, 0.4943,
0.3523


 0.0000, 1.0000,
0.0000


 176.6138, 0.4819,


 0.0000, 0.0000,


0.3526


0.0000


 217.1601, 0.4710,
0.3526


 22.1792, 0.6223,
0.3296


 22.1792, 0.6223,
0.3296

 21.3221, 0.6386,
0.3298


 24.1260, 0.5899,
0.3293


 21.2610, 0.6398,
0.3298


 27.4348, 0.5456,
0.3291


 32.2951, 0.4971,
0.3290

 38.8657, 0.4510,
0.3289

 47.2854, 0.4107,
0.3289

 57.6791, 0.3772,
0.3289

 70.1607, 0.3501,
0.3289

 84.8356, 0.3284,
0.3290

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



22.1792, 0.5500, 0.2514



22.1792, 0.6223, 0.3296



22.1792, 0.5725, 0.4230

Triad

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



22.1792, 0.6223, 0.3296



22.1792, 0.1956, 0.5941



22.1792, 0.1271, 0.1186

Complementary

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



22.1792, 0.6223, 0.3296



78.9216, 0.2263, 0.3299

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.



22.1792, 0.0859, 0.1349



22.1792, 0.6223, 0.3296



22.1792, 0.1084, 0.3632

Square

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



22.1792, 0.6223, 0.3296



22.1792, 0.3206, 0.6473



22.1792, 0.0783, 0.2009



22.1792, 0.2179, 0.1342

Rectangle

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



22.1792, 0.6223, 0.3296



22.1792, 0.4989, 0.5011



22.1792, 0.0783, 0.2009



22.1792, 0.1089, 0.1202

Sweetspot

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



22.1806, 0.6223, 0.3296



60.0049, 0.3713, 0.3289



28.6011, 0.3170, 0.1555



12.0044, 0.3815, 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.



22.1806, 0.6223, 0.3296



21.2623, 0.6398, 0.3298



39.4460, 0.5260, 0.4109



17.9883, 0.3294, 0.3290



11.1106, 0.6396, 0.3297



1.0822, 0.6386, 0.3292

Inverse Universe

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



22.1806, 0.6223, 0.3296



21.2623, 0.6398, 0.3298



27.8121, 0.1852, 0.1795



17.9883, 0.3294, 0.3290



11.1106, 0.6396, 0.3297



1.0822, 0.6386, 0.3292

Previews

White Background



This preview shows how the Yxy color 22.1792, 0.6223, 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 22.1792, 0.6223, 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 22.1792, 0.6223, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 22.1792, 0.6223, 0.3296.



This preview shows how white text looks on a background with the Yxy color 22.1792, 0.6223, 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

22.1792, 0.6223, 0.3296

Protanopia

22.2240, 0.4148, 0.4551

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.1967, 0.6255, 0.3320

Trichromacy



Original Color

22.1792, 0.6223, 0.3296

Protanomaly

18.3174, 0.5159, 0.3880

Deuteranomaly

19.0392, 0.5521, 0.3943

Tritanomaly

22.2089, 0.6241, 0.3312

Monochromacy



Original Color

22.1792, 0.6223, 0.3296

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8444, 0.4636, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1792, 0.6223, 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(255, 28, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 29)  
}
```

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, 28, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 29) }
```

Border

The CSS property to change the border of an element to Yxy 22.1792, 0.6223, 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(255, 28, 29) }
```

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

```
.border{ border-color:rgb(255, 28, 29) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1792, 0.6223, 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(255, 28, 29) }
```

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

```
.background{ background-color: rgb(255, 28,  
29) }
```

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