

Converting Colors

$Yxy(21.8318, 0.6286, 0.3296)$

Have a look what the booklet for
Yxy(21.8318, 0.6286, 0.3296)
contains.

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Color

Yxy(21.8543, 0.6284, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	FF1516
RGB	255, 21, 22
RGB Percent	100%, 8%, 9%
CMY	0.0000, 0.9175, 0.9141
CMYK	0.00, 0.92, 0.91, 0.00
HSL	360°, 100%, 54%
HSV	360°, 92%, 100%
XYZ	41.6538, 21.8543, 2.7774
YIQ	91.0800, 139.1430, 49.9190

Conversions

Conversions Part 2

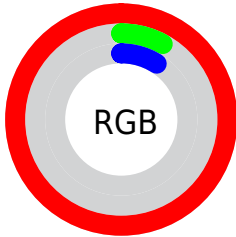
Format	Color
RYB	255, 21, 22
Decimal	16717078
CIELab	53.87, 78.62, 61.60
CIELCh	54, 99.872, 38.079
Yxy	21.8543, 0.6284, 0.3297
Android (android.graphics.Color)	4294907158 (0xFFFF1516)
YUV	91.0800, -34.0564, 143.7578
Hunter-Lab	46.7486, 77.2364, 29.2016

Details

The Yxy color **21.8543, 0.6284, 0.3297** 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 **78.8429, 0.2258, 0.3298**, and the grayscale version is **10.5372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0352, 0.5364, 0.3537**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2621, 0.6398, 0.3298**, and if you desaturate by 10%, it is **23.4631, 0.6004, 0.3295**.

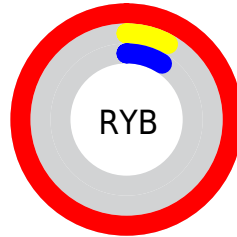
Distribution



Red (100%)

Green (8%)

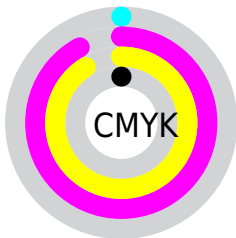
Blue (9%)



Red (100%)

Yellow (8%)

Blue (9%)

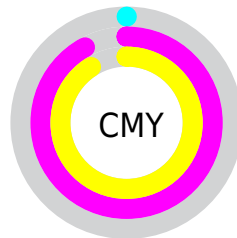


Cyan (0%)

Magenta (92%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (92%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8543, 0.6284, 0.3297 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 21.8543, 0.6284, 0.3297 by changing the saturation by 10% instead.


 21.8543, 0.6284,
0.3297


 21.8543, 0.6284,
0.3297


261.7844, 0.4654,
0.3541

 13.7499, 0.6633,
0.3143

 46.5051, 0.5720,
0.3457


 7.9469, 0.7077,
0.2923


 63.8202, 0.5496,
0.3496

 4.0610, 0.7463,
0.2537

 84.9744, 0.5303,
0.3519

 1.7077, 0.7988,
0.2012

 110.3520, 0.5136,
0.3533

 0.4287, 0.8872,
0.1128

 140.3374, 0.4991,
0.3540

 0.0000, 1.0000,
0.0000


 175.3150, 0.4864,


 0.0000, 0.0000,


0.3543


0.0000


 215.6692, 0.4753,
0.3543


 21.8543, 0.6284,
0.3297

 21.8543, 0.6284,
0.3297

 21.2621, 0.6398,
0.3298


 23.4631, 0.6004,
0.3295

 26.3754, 0.5586,
0.3292

 30.7910, 0.5105,
0.3291


 36.8756, 0.4633,
0.3289

 44.7728, 0.4212,
0.3289

 54.6111, 0.3858,
0.3289

 66.5071, 0.3570,
0.3289

 80.5683, 0.3339,
0.3290

 96.8948, 0.3155,
0.3290

Harmonies

Analogous

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



21.8543, 0.5599, 0.2513



21.8543, 0.6284, 0.3297



21.8543, 0.5741, 0.4256

Triad

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



21.8543, 0.6284, 0.3297



21.8543, 0.1885, 0.5974



21.8543, 0.1258, 0.1154

Complementary

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



21.8543, 0.6284, 0.3297



78.8429, 0.2258, 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.



21.8543, 0.0834, 0.1304



21.8543, 0.6284, 0.3297



21.8543, 0.1027, 0.3567

Square

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



21.8543, 0.6284, 0.3297



21.8543, 0.3139, 0.6561



21.8543, 0.0746, 0.1945



21.8543, 0.2193, 0.1320

Rectangle

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



21.8543, 0.6284, 0.3297



21.8543, 0.4956, 0.5044



21.8543, 0.0746, 0.1945



21.8543, 0.1072, 0.1166

Sweetspot

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



21.8549, 0.6284, 0.3297



58.8303, 0.3742, 0.3289



28.2852, 0.3170, 0.1542



11.5595, 0.3876, 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.



21.8549, 0.6284, 0.3297



21.2621, 0.6398, 0.3298



38.3958, 0.5321, 0.4093



17.9882, 0.3294, 0.3290



11.1104, 0.6397, 0.3298



1.0822, 0.6388, 0.3292

Inverse Universe

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



21.8549, 0.6284, 0.3297



21.2621, 0.6398, 0.3298



26.6997, 0.1831, 0.1745



17.9882, 0.3294, 0.3290



11.1104, 0.6397, 0.3298



1.0822, 0.6388, 0.3292

Previews

White Background



This preview shows how the Yxy color 21.8543, 0.6284, 0.3297 looks on a white background.

Color Contrast Check

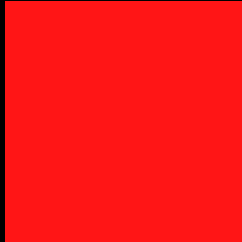
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8543, 0.6284, 0.3297 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 21.8543, 0.6284, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 21.8543, 0.6284, 0.3297.



This preview shows how white text looks on a background with the Yxy color 21.8543, 0.6284, 0.3297.

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

21.8543, 0.6284, 0.3297

Protanopia

22.1669, 0.4201, 0.4629

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.8816, 0.6337, 0.3336

Trichromacy



Original Color

21.8543, 0.6284, 0.3297

Protanomaly

17.7540, 0.5263, 0.3896

Deuteranomaly

18.4089, 0.5567, 0.3921

Tritanomaly

21.8580, 0.6321, 0.3322

Monochromacy



Original Color

21.8543, 0.6284, 0.3297

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8691, 0.4757, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8543, 0.6284, 0.3297 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, 21, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 22)  
}
```

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, 21, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 22) }
```

Border

The CSS property to change the border of an element to Yxy 21.8543, 0.6284, 0.3297 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, 21, 22) }
```

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

```
.border{ border-color:rgb(255, 21, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 21, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
22) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.8543, 0.6284, 0.3297$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 22) }
```

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

```
.background{ background-color: rgb(255, 21,  
22) }
```

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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