

Converting Colors

$Yxy(21.7981, 0.6263, 0.3276)$

Have a look what the booklet for
Yxy(21.7981, 0.6263, 0.3276)
contains.

Yxy(21.8049, 0.6264, 0.3278)	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(21.8049, 0.6264, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	FF131B
RGB	255, 19, 27
RGB Percent	100%, 7%, 11%
CMY	0.0000, 0.9251, 0.8943
CMYK	0.00, 0.93, 0.89, 0.00
HSL	358°, 100%, 54%
HSV	358°, 93%, 100%
XYZ	41.6674, 21.8049, 3.0466
YIQ	90.4760, 138.0880, 52.5200

Conversions

Conversions Part 2

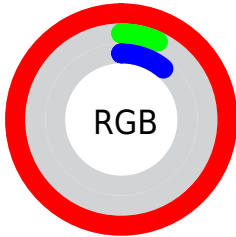
Format	Color
R_{YB}	255, 19, 27
Decimal	16716571
CIE Lab	53.82, 78.88, 59.66
CIE LCh	54, 98.905, 37.100
Yxy	21.8049, 0.6264, 0.3278
Android (android.graphics.Color)	4294906651 (0xFFFF131B)
YUV	90.4760, -31.2937, 144.2875
Hunter-Lab	46.6957, 77.5613, 28.8187

Details

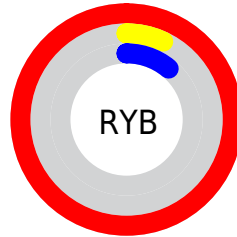
The Yxy color **21.8049, 0.6264, 0.3278** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **78.3770, 0.2281, 0.3383**, and the grayscale version is **10.3988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0892, 0.5325, 0.3507**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2765, 0.6377, 0.3287**, and if you desaturate by 10%, it is **23.3494, 0.5976, 0.3262**.

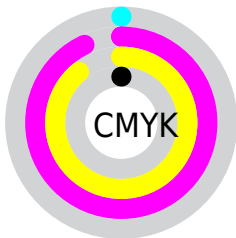
Distribution



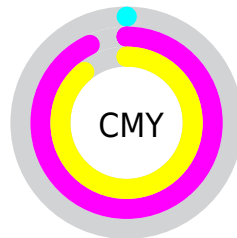
- Red (100%)
- Green (7%)
- Blue (11%)



- Red (100%)
- Yellow (7%)
- Blue (11%)



- Cyan (0%)
- Magenta (93%)
- Yellow (89%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8049, 0.6264, 0.3278 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 21.8049, 0.6264, 0.3278 by changing the saturation by 10% instead.


 21.8049, 0.6264,
0.3278


 21.8049, 0.6264,
0.3278


261.5257, 0.4634,
0.3522


 13.7136, 0.6619,
0.3126

 46.4233, 0.5696,
0.3435


 7.9217, 0.7084,
0.2916


 63.7193, 0.5471,
0.3474


 4.0449, 0.7472,
0.2528

 84.8522, 0.5279,
0.3498

 1.6987, 0.7998,
0.2002

 110.2065, 0.5113,
0.3512

 0.4228, 0.8886,
0.1114

 140.1666, 0.4969,
0.3519

 0.0000, 1.0000,
0.0000


 175.1170, 0.4843,


 0.0000, 0.0000,


0.3523


0.0000


 215.4418, 0.4732,
0.3523


 21.8049, 0.6264,
0.3278


 21.8049, 0.6264,
0.3278


 21.2765, 0.6377,
0.3287

 23.3494, 0.5976,
0.3262


 26.1772, 0.5558,
0.3252


 30.4899, 0.5084,
0.3248

 36.4535, 0.4620,
0.3250

 44.2115, 0.4207,
0.3255

 53.8923, 0.3859,
0.3263

 65.6121, 0.3576,
0.3272

 79.4784, 0.3348,
0.3280

 95.5907, 0.3167,
0.3288

Harmonies

Analogous

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



21.8049, 0.5533, 0.2496



21.8049, 0.6264, 0.3278



21.8049, 0.5756, 0.4221

Triad

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



21.8049, 0.6264, 0.3278



21.8049, 0.1935, 0.6006



21.8049, 0.1248, 0.1165

Complementary

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



21.8049, 0.6264, 0.3278



78.3770, 0.2281, 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.



21.8049, 0.0837, 0.1327



21.8049, 0.6264, 0.3278



21.8049, 0.1059, 0.3641

Square

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



21.8049, 0.6264, 0.3278



21.8049, 0.3192, 0.6517



21.8049, 0.0760, 0.1990



21.8049, 0.2159, 0.1320

Rectangle

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



21.8049, 0.6264, 0.3278



21.8049, 0.4997, 0.5003



21.8049, 0.0760, 0.1990



21.8049, 0.1067, 0.1180

Sweetspot

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



21.8063, 0.6264, 0.3278



58.9191, 0.3724, 0.3267



27.4859, 0.3130, 0.1518



11.5798, 0.3853, 0.3263



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.



21.8063, 0.6264, 0.3278



21.2786, 0.6377, 0.3287



37.0552, 0.5382, 0.4051



17.9969, 0.3289, 0.3283



11.1227, 0.6367, 0.3281



1.0863, 0.6288, 0.3237

Inverse Universe

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



21.8063, 0.6264, 0.3278



21.2786, 0.6377, 0.3287



27.5829, 0.1841, 0.1786



17.9969, 0.3289, 0.3283



11.1227, 0.6367, 0.3281



1.0863, 0.6288, 0.3237

Previews

White Background



This preview shows how the Yxy color 21.8049, 0.6264, 0.3278 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 21.8049, 0.6264, 0.3278 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 21.8049, 0.6264, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 21.8049, 0.6264, 0.3278.



This preview shows how white text looks on a background with the Yxy color 21.8049, 0.6264, 0.3278.

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

21.8049, 0.6264, 0.3278

Protanopia

22.1163, 0.4151, 0.4581

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.8338, 0.6351, 0.3339

Trichromacy



Original Color

21.8049, 0.6264, 0.3278

Protanomaly

17.6628, 0.5209, 0.3862

Deuteranomaly

18.2547, 0.5575, 0.3904

Tritanomaly

21.8182, 0.6327, 0.3321

Monochromacy



Original Color

21.8049, 0.6264, 0.3278

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.7773, 0.4728, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8049, 0.6264, 0.3278 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, 19, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 19, 27)  
}
```

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, 19, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 19, 27) }
```

Border

The CSS property to change the border of an element to Yxy 21.8049, 0.6264, 0.3278 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, 19, 27) }
```

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

```
.border{ border-color:rgb(255, 19, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 19, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 19, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 19, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 19,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8049, 0.6264, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 19, 27) }
```

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

```
.background{ background-color: rgb(255, 19,  
27) }
```

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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