

Converting Colors

$Y_{xy}(21.8116, 0.6258, 0.3300)$

Have a look what the booklet for
Yxy(21.8116, 0.6258, 0.3300)
contains.

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Color

Yxy(21.8320, 0.6260, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	FE1918
RGB	254, 25, 24
RGB Percent	100%, 10%, 9%
CMY	0.0039, 0.9021, 0.9059
CMYK	0.00, 0.90, 0.91, 0.00
HSL	0°, 99%, 55%
HSV	0°, 91%, 100%
XYZ	41.3896, 21.8320, 2.8959
YIQ	93.3570, 136.8050, 48.2370

Conversions

Conversions Part 2

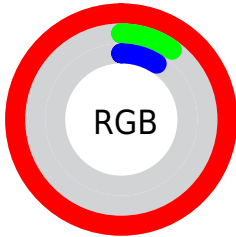
Format	Color
R_{YB}	254, 25, 24
Decimal	16652568
CIE Lab	53.85, 77.91, 60.73
CIE LCh	54, 98.785, 37.934
Yxy	21.8320, 0.6260, 0.3302
Android (android.graphics.Color)	4294842648 (0xFFFE1918)
YUV	93.3570, -34.1930, 140.8839
Hunter-Lab	46.7247, 76.3501, 29.0326

Details

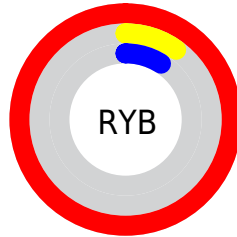
The Yxy color **21.8320, 0.6260, 0.3302** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **77.6216, 0.2254, 0.3276**, and the grayscale version is **11.0878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4549, 0.5327, 0.3541**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.0971, 0.6399, 0.3301**, and if you desaturate by 10%, it is **23.6023, 0.5961, 0.3303**.

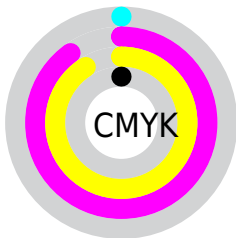
Distribution



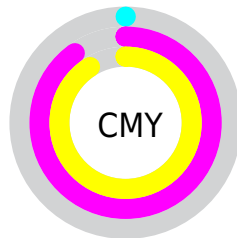
- Red (100%)
- Green (10%)
- Blue (9%)



- Red (100%)
- Yellow (10%)
- Blue (9%)



- Cyan (0%)
- Magenta (90%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (90%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8320, 0.6260, 0.3302 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 21.8320, 0.6260, 0.3302 by changing the saturation by 10% instead.


 21.8320, 0.6260,
0.3302

 21.8320, 0.6260,
0.3302


261.6677, 0.4637,
0.3538


 13.7335, 0.6610,
0.3151


 46.4682, 0.5696,
0.3458

 7.9356, 0.7063,
0.2937


 63.7746, 0.5473,
0.3495


 4.0537, 0.7449,
0.2551


 84.9192, 0.5281,
0.3518

 1.7037, 0.7973,
0.2027

 110.2863, 0.5115,
0.3531

 0.4260, 0.8863,
0.1137

 140.2603, 0.4971,
0.3538

 0.0000, 1.0000,
0.0000

 175.2256, 0.4846,


 0.0000, 0.0000,


0.3540

0.0000


 215.5666, 0.4735,
0.3540


 21.8320, 0.6260,
0.3302

 21.8320, 0.6260,
0.3302


 21.0971, 0.6399,
0.3301

 23.6023, 0.5961,
0.3303

 26.6865, 0.5532,
0.3303

 31.2753, 0.5049,
0.3302

 37.5273, 0.4581,
0.3300

 45.5811, 0.4167,
0.3298

■ 55.5606, 0.3821,
0.3296

■ 67.5789, 0.3540,
0.3294

■ 81.7404, 0.3315,
0.3292

■ 98.1423, 0.3136,
0.3290

Harmonies

Analogous

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



21.8320, 0.5569, 0.2519



21.8320, 0.6260, 0.3302



21.8320, 0.5729, 0.4253

Triad

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



21.8320, 0.6260, 0.3302



21.8320, 0.1906, 0.5949



21.8320, 0.1267, 0.1167

Complementary

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



21.8320, 0.6260, 0.3302



77.6216, 0.2254, 0.3276

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.



21.8320, 0.0845, 0.1320



21.8320, 0.6260, 0.3302



21.8320, 0.1046, 0.3578

Square

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



21.8320, 0.6260, 0.3302



21.8320, 0.3157, 0.6530



21.8320, 0.0760, 0.1963



21.8320, 0.2195, 0.1331

Rectangle

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



21.8320, 0.6260, 0.3302



21.8320, 0.4961, 0.5039



21.8320, 0.0760, 0.1963



21.8320, 0.1082, 0.1179

Sweetspot

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



21.8334, 0.6260, 0.3302



60.1167, 0.3714, 0.3295



28.8830, 0.3208, 0.1568



12.0298, 0.3817, 0.3296



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.



21.8334, 0.6260, 0.3302



21.2836, 0.6399, 0.3301



39.6049, 0.5251, 0.4137



17.9995, 0.3294, 0.3292



11.1265, 0.6398, 0.3302



1.0875, 0.6391, 0.3308

Inverse Universe

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



77.6216, 0.2254, 0.3276



78.0473, 0.2243, 0.3274



25.8162, 0.1826, 0.1714



20.4674, 0.2980, 0.3289



40.7876, 0.2243, 0.3274



3.9755, 0.2243, 0.3276

Previews

White Background



This preview shows how the Yxy color 21.8320, 0.6260, 0.3302 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 21.8320, 0.6260, 0.3302 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 21.8320, 0.6260, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 21.8320, 0.6260, 0.3302.



This preview shows how white text looks on a background with the Yxy color 21.8320, 0.6260, 0.3302.

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

21.8320, 0.6260, 0.3302

Protanopia

22.1823, 0.4186, 0.4608

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.8470, 0.6291, 0.3325

Trichromacy



Original Color

21.8320, 0.6260, 0.3302

Protanomaly

18.1085, 0.5218, 0.3907

Deuteranomaly

18.5719, 0.5549, 0.3930

Tritanomaly

21.8566, 0.6279, 0.3318

Monochromacy



Original Color

21.8320, 0.6260, 0.3302

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2270, 0.4713, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8320, 0.6260, 0.3302 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(254, 25, 24)` looks like.

```
.text, #text, p{  
  color:rgb(254, 25, 24)  
}
```

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(254, 25, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 25, 24) }
```

Border

The CSS property to change the border of an element to Yxy 21.8320, 0.6260, 0.3302 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(254, 25, 24) }
```

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

```
.border{ border-color:rgb(254, 25, 24) }
```

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

Here you see how a box with a 4 pixel rgb(254, 25, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 25, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 25, 24);  
box-shadow:4px 4px 4px 4px rgb(254, 25,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8320, 0.6260, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 25, 24) }
```

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

```
.background{ background-color: rgb(254, 25,  
24) }
```

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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