

Converting Colors

$Yxy(21.0462, 0.6172, 0.3254)$

Have a look what the booklet for
Yxy(21.0462, 0.6172, 0.3254)
contains.

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Color

Yxy(20.9686, 0.6170, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	F91925
RGB	249, 25, 37
RGB Percent	98%, 10%, 15%
CMY	0.0236, 0.9017, 0.8548
CMYK	0.00, 0.90, 0.85, 0.02
HSL	357°, 95%, 54%
HSV	357°, 90%, 98%
XYZ	39.7469, 20.9686, 3.7041
YIQ	93.3440, 129.6520, 51.2200

Conversions

Conversions Part 2

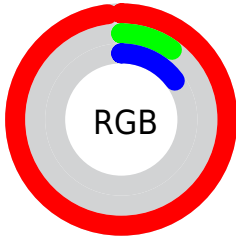
Format	Color
R_{YB}	249, 25, 37
Decimal	16324901
CIE _{Lab}	52.92, 76.85, 54.01
CIE _{LCh}	53, 93.937, 35.100
Yxy	20.9686, 0.6170, 0.3255
Android (android.graphics.Color)	4294514981 (0xFFFF91925)
YUV	93.3440, -27.7776, 136.5103
Hunter-Lab	45.7915, 74.8026, 27.2580

Details

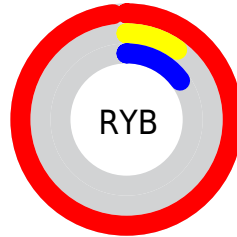
The Yxy color **20.9686, 0.6170, 0.3255** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **74.0707, 0.2300, 0.3438**, and the grayscale version is **11.0832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4186, 0.5223, 0.3445**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.1721, 0.6360, 0.3278**, and if you desaturate by 10%, it is **22.7487, 0.5831, 0.3233**.

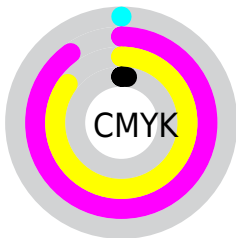
Distribution



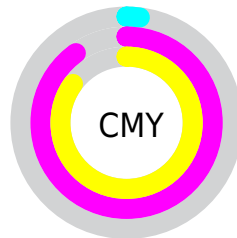
- Red (98%)
- Green (10%)
- Blue (15%)



- Red (98%)
- Yellow (10%)
- Blue (15%)



- Cyan (0%)
- Magenta (90%)
- Yellow (85%)
- Black (2%)




- Cyan (2%)
- Magenta (90%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9686, 0.6170, 0.3255 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 20.9686, 0.6170, 0.3255 by changing the saturation by 10% instead.


 20.9686, 0.6170,
0.3255


 20.9686, 0.6170,
0.3255


257.1116, 0.4554,
0.3483

 13.1011, 0.6539,
0.3113


 45.0353, 0.5593,
0.3401


 7.4982, 0.7019,
0.2907


 62.0032, 0.5370,
0.3436

 3.7756, 0.7466,
0.2534

 82.7733, 0.5180,
0.3458

 1.5488, 0.8006,
0.1994

 107.7301, 0.5018,
0.3472

 0.3227, 0.9035,
0.0965

 137.2580, 0.4878,
0.3479

 0.0000, 1.0000,
0.0000

 171.7412, 0.4756,

 0.0000, 0.0000,

0.3483

0.0000

211.5643, 0.4649,
0.3484

20.9686, 0.6170,
0.3255

20.9686, 0.6170,
0.3255

20.1721, 0.6360,
0.3278

22.7487, 0.5831,
0.3233


20.1682, 0.6361,
0.3278


25.7941, 0.5391,
0.3220


30.2835, 0.4920,
0.3219


36.3661, 0.4475,
0.3225

44.1723, 0.4088,
0.3236

 53.8193, 0.3765,
0.3249

 65.4140, 0.3504,
0.3263

 79.0550, 0.3294,
0.3277

 94.8342, 0.3126,
0.3290

Harmonies

Analogous

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



20.9686, 0.5355, 0.2478



20.9686, 0.6170, 0.3255



20.9686, 0.5755, 0.4161

Triad

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



20.9686, 0.6170, 0.3255



20.9686, 0.2067, 0.5995



20.9686, 0.1252, 0.1212

Complementary

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



20.9686, 0.6170, 0.3255



74.0707, 0.2300, 0.3438

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.



20.9686, 0.0868, 0.1402



20.9686, 0.6170, 0.3255



20.9686, 0.1157, 0.3787

Square

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



20.9686, 0.6170, 0.3255



20.9686, 0.3319, 0.6375



20.9686, 0.0817, 0.2110



20.9686, 0.2111, 0.1346

Rectangle

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



20.9686, 0.6170, 0.3255



20.9686, 0.5073, 0.4927



20.9686, 0.0817, 0.2110



20.9686, 0.1081, 0.1235

Sweetspot

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



20.9699, 0.6170, 0.3255



60.1512, 0.3684, 0.3253



25.0402, 0.3056, 0.1489



12.0377, 0.3780, 0.3248



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.



20.9699, 0.6170, 0.3255



21.2907, 0.6362, 0.3278



34.1520, 0.5408, 0.3997



17.2402, 0.3286, 0.3278



10.8026, 0.6346, 0.3270



1.0056, 0.6215, 0.3197

Inverse Universe

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



20.9699, 0.6170, 0.3255



21.2907, 0.6362, 0.3278



29.4887, 0.1889, 0.1940



17.2402, 0.3286, 0.3278



10.8026, 0.6346, 0.3270



1.0056, 0.6215, 0.3197

Previews

White Background



This preview shows how the Yxy color 20.9686, 0.6170, 0.3255 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 20.9686, 0.6170, 0.3255 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 20.9686, 0.6170, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 20.9686, 0.6170, 0.3255.



This preview shows how white text looks on a background with the Yxy color 20.9686, 0.6170, 0.3255.

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

20.9686, 0.6170, 0.3255

Protanopia

21.1677, 0.4048, 0.4420

Deuteranopia

21.0100, 0.4722, 0.4633



Tritanopia

21.0208, 0.6261, 0.3323

Trichromacy



Original Color

20.9686, 0.6170, 0.3255

Protanomaly

17.2636, 0.5052, 0.3775

Deuteranomaly

17.8635, 0.5542, 0.3911

Tritanomaly

20.9982, 0.6235, 0.3302

Monochromacy



Original Color

20.9686, 0.6170, 0.3255

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0993, 0.4586, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9686, 0.6170, 0.3255 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(249, 25, 37)` looks like.

```
.text, #text, p{  
  color:rgb(249, 25, 37)  
}
```

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(249, 25, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 25, 37) }
```

Border

The CSS property to change the border of an element to Yxy 20.9686, 0.6170, 0.3255 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(249, 25, 37) }
```

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

```
.border{ border-color:rgb(249, 25, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 25, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 25, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 25, 37);  
box-shadow:4px 4px 4px 4px rgb(249, 25,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9686, 0.6170, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 25, 37) }
```

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

```
.background{ background-color: rgb(249, 25,  
37) }
```

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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