

Converting Colors

$Y_{xy}(22.0145, 0.6136, 0.3217)$

Have a look what the booklet for
Yxy(22.0145, 0.6136, 0.3217)
contains.

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Color

Yxy(22.0157, 0.6136, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	FF162C
RGB	255, 22, 44
RGB Percent	100%, 9%, 17%
CMY	0.0000, 0.9134, 0.8275
CMYK	0.00, 0.91, 0.83, 0.00
HSL	354°, 100%, 54%
HSV	354°, 91%, 100%
XYZ	41.9790, 22.0157, 4.4196
YIQ	94.1750, 131.8060, 56.2380

Conversions

Conversions Part 2

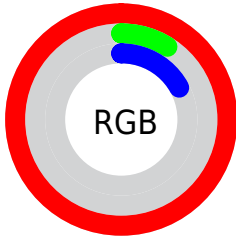
Format	Color
R_{YB}	255, 22, 44
Decimal	16717356
CIE _{Lab}	54.04, 78.86, 52.03
CIE _{LCh}	54, 94.480, 33.416
Yxy	22.0157, 0.6136, 0.3218
Android (android.graphics.Color)	4294907436 (0xFFFF162C)
YUV	94.1750, -24.7363, 141.0435
Hunter-Lab	46.9209, 77.5880, 27.2600

Details

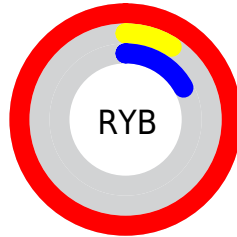
The Yxy color **22.0157, 0.6136, 0.3218** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.5728, 0.2333, 0.3561**, and the grayscale version is **11.2852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5354, 0.5145, 0.3386**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3240, 0.6319, 0.3254**, and if you desaturate by 10%, it is **23.7448, 0.5798, 0.3180**.

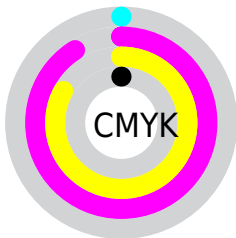
Distribution



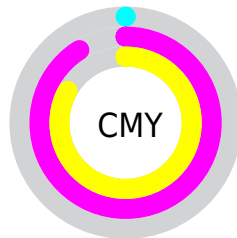
- Red (100%)
- Green (9%)
- Blue (17%)



- Red (100%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (91%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0157, 0.6136, 0.3218 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 22.0157, 0.6136, 0.3218 by changing the saturation by 10% instead.


 22.0157, 0.6136,
0.3218

 22.0157, 0.6136,
0.3218


262.6283, 0.4540,
0.3452


 13.8684, 0.6505,
0.3082


 46.7719, 0.5564,
0.3361


 8.0292, 0.6958,
0.2875

 64.1497, 0.5344,
0.3397


 4.1136, 0.7461,
0.2539

 85.3731, 0.5156,
0.3420

 1.7373, 0.7983,
0.2017

 110.8265, 0.4996,
0.3435

 0.4477, 0.8846,
0.1154

 140.8943, 0.4858,
0.3444

 0.0000, 1.0000,
0.0000

 175.9610, 0.4738,

 0.0000, 0.0000,

0.3449

0.0000

216.4108, 0.4633,
0.3451

■ 22.0157, 0.6136,
0.3218

■ 22.0157, 0.6136,
0.3218

■ 21.3240, 0.6319,
0.3254

■ 23.7448, 0.5798,
0.3180

■ 26.7760, 0.5367,
0.3160

■ 31.3023, 0.4907,
0.3157

■ 37.4834, 0.4474,
0.3169

■ 45.4585, 0.4095,
0.3189

 55.3522, 0.3778,
0.3213

 67.2779, 0.3520,
0.3239

 81.3402, 0.3313,
0.3264

 97.6366, 0.3147,
0.3287

Harmonies

Analogous

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



22.0157, 0.5250, 0.2444



22.0157, 0.6136, 0.3218



22.0157, 0.5782, 0.4105

Triad

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



22.0157, 0.6136, 0.3218



22.0157, 0.2146, 0.6047



22.0157, 0.1232, 0.1226

Complementary

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



22.0157, 0.6136, 0.3218



77.5728, 0.2333, 0.3561

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.



22.0157, 0.0870, 0.1439



22.0157, 0.6136, 0.3218



22.0157, 0.1208, 0.3910

Square

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



22.0157, 0.6136, 0.3218



22.0157, 0.3401, 0.6312



22.0157, 0.0838, 0.2187



22.0157, 0.2056, 0.1342

Rectangle

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



22.0157, 0.6136, 0.3218



22.0157, 0.5137, 0.4863



22.0157, 0.0838, 0.2187



22.0157, 0.1070, 0.1256

Sweetspot

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



22.0171, 0.6136, 0.3218



60.2747, 0.3659, 0.3224



24.9021, 0.2976, 0.1439



12.0658, 0.3752, 0.3215



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.



22.0171, 0.6136, 0.3218



21.3259, 0.6319, 0.3254



33.6346, 0.5533, 0.3914



18.0148, 0.3280, 0.3268



11.1525, 0.6297, 0.3243



1.0948, 0.6094, 0.3131

Inverse Universe

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



22.0171, 0.6136, 0.3218



21.3259, 0.6319, 0.3254



33.1714, 0.1909, 0.2025



18.0148, 0.3280, 0.3268



11.1525, 0.6297, 0.3243



1.0948, 0.6094, 0.3131

Previews

White Background



This preview shows how the Yxy color 22.0157, 0.6136, 0.3218 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 22.0157, 0.6136, 0.3218 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 22.0157, 0.6136, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 22.0157, 0.6136, 0.3218.



This preview shows how white text looks on a background with the Yxy color 22.0157, 0.6136, 0.3218.

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

22.0157, 0.6136, 0.3218

Protanopia

22.2346, 0.3961, 0.4320

Deuteranopia

22.1054, 0.4659, 0.4576



Tritanopia

22.0875, 0.6280, 0.3323

Trichromacy



Original Color

22.0157, 0.6136, 0.3218

Protanomaly

17.9988, 0.4985, 0.3689

Deuteranomaly

18.6097, 0.5481, 0.3840

Tritanomaly

22.0344, 0.6245, 0.3293

Monochromacy



Original Color

22.0157, 0.6136, 0.3218

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4284, 0.4572, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0157, 0.6136, 0.3218 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, 22, 44)` looks like.

```
.text, #text, p{  
  color:rgb(255, 22, 44)  
}
```

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, 22, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 44) }
```

Border

The CSS property to change the border of an element to Yxy 22.0157, 0.6136, 0.3218 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, 22, 44) }
```

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

```
.border{ border-color:rgb(255, 22, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 22, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0157, 0.6136, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 44) }
```

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

```
.background{ background-color: rgb(255, 22,  
44) }
```

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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