

Converting Colors

$Y_{xy}(18.6062, 0.6221, 0.3200)$

Have a look what the booklet for
Yxy(18.6062, 0.6221, 0.3200)
contains.

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Color

Yxy(18.6526, 0.6222, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	F00024
RGB	240, 0, 36
RGB Percent	94%, 0%, 14%
CMY	0.0588, 1.0000, 0.8586
CMYK	0.00, 1.00, 0.85, 0.06
HSL	351°, 100%, 47%
HSV	351°, 100%, 94%
XYZ	36.2563, 18.6526, 3.3622
YIQ	75.8640, 131.4840, 62.0760

Conversions

Conversions Part 2

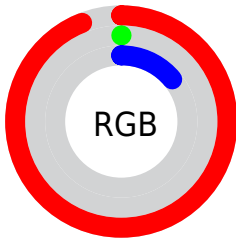
Format	Color
R_{YB}	240, 0, 36
Decimal	15728676
CIE _{Lab}	50.28, 76.94, 51.53
CIE _{LCh}	50, 92.598, 33.811
Yxy	18.6526, 0.6222, 0.3201
Android (android.graphics.Color)	4293918756 (0xFFFF0024)
YUV	75.8640, -19.6530, 143.9473
Hunter-Lab	43.1887, 74.2683, 25.6163

Details

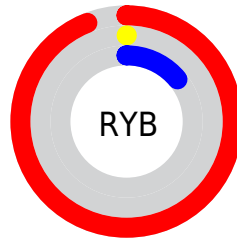
The Yxy color **18.6526, 0.6222, 0.3201** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **66.6824, 0.2383, 0.3778**, and the grayscale version is **7.2209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8899, 0.5308, 0.3390**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.6543, 0.6222, 0.3201**, and if you desaturate by 10%, it is **19.4698, 0.5960, 0.3137**.

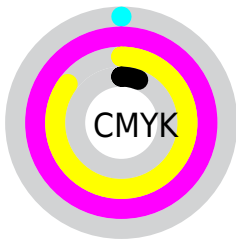
Distribution



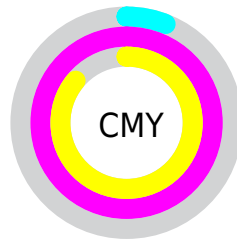
- Red (94%)
- Green (0%)
- Blue (14%)



- Red (94%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6526, 0.6222, 0.3201 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 18.6526, 0.6222, 0.3201 by changing the saturation by 10% instead.


 18.6526, 0.6222,
0.3201


 18.6526, 0.6222,
0.3201


244.5241, 0.4548,
0.3459

 11.4195, 0.6613,
0.3045


 41.1462, 0.5617,
0.3361


 6.3498, 0.7151,
0.2828


 57.1756, 0.5385,
0.3401


 3.0589, 0.7594,
0.2406

 76.9058, 0.5188,
0.3426

 1.1626, 0.8182,
0.1818

 100.7214, 0.5021,
0.3442

 0.0308, 0.9874,
0.0126

 129.0066, 0.4877,
0.3451


 0.0000, 1.0000,
0.0000

 162.1458, 0.4753,

 0.0000, 0.0000,

0.3456


0.0000

 200.5236, 0.4644,
0.3459


 18.6526, 0.6222,
0.3201


 18.6526, 0.6222,
0.3201


 18.6543, 0.6222,
0.3201

 19.4698, 0.5960,
0.3137

 21.1742, 0.5590,
0.3088

 24.0291, 0.5161,
0.3068

 28.1922, 0.4727,
0.3073

 33.7963, 0.4329,
0.3097

■ 40.9578, 0.3985,
0.3132

■ 49.7812, 0.3699,
0.3172

■ 60.3621, 0.3466,
0.3213

■ 72.7886, 0.3278,
0.3253

Harmonies

Analogous

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



18.6526, 0.5340, 0.2424



18.6526, 0.6222, 0.3201



18.6526, 0.5834, 0.4110

Triad

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



18.6526, 0.6222, 0.3201



18.6526, 0.2083, 0.6144



18.6526, 0.1199, 0.1183

Complementary

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



18.6526, 0.6222, 0.3201



66.6824, 0.2383, 0.3778

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.



18.6526, 0.0830, 0.1387



18.6526, 0.6222, 0.3201



18.6526, 0.1146, 0.3893

Square

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



18.6526, 0.6222, 0.3201



18.6526, 0.3355, 0.6411



18.6526, 0.0790, 0.2129



18.6526, 0.2039, 0.1305

Rectangle

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



18.6526, 0.6222, 0.3201



18.6526, 0.5131, 0.4869



18.6526, 0.0790, 0.2129



18.6526, 0.1034, 0.1210

Sweetspot

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



18.6543, 0.6222, 0.3201



57.0174, 0.3702, 0.3172



18.5720, 0.2784, 0.1307



11.2377, 0.3816, 0.3154



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.



18.6543, 0.6222, 0.3201



21.4019, 0.6227, 0.3204



24.2643, 0.5906, 0.3693



15.7975, 0.3270, 0.3255



10.2228, 0.6193, 0.3185



0.8621, 0.5874, 0.3010

Inverse Universe

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



18.6543, 0.6222, 0.3201



21.4019, 0.6227, 0.3204



31.4351, 0.1928, 0.2142



15.7975, 0.3270, 0.3255



10.2228, 0.6193, 0.3185



0.8621, 0.5874, 0.3010

Previews

White Background



This preview shows how the Yxy color 18.6526, 0.6222, 0.3201 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 18.6526, 0.6222, 0.3201 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 18.6526, 0.6222, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 18.6526, 0.6222, 0.3201.



This preview shows how white text looks on a background with the Yxy color 18.6526, 0.6222, 0.3201.

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

18.6526, 0.6222, 0.3201

Protanopia

19.0588, 0.4021, 0.4390

Tritanopia

18.9245, 0.6343, 0.3345

Trichromacy



Original Color

18.6526, 0.6222, 0.3201

Protanomaly

14.4310, 0.5153, 0.3630

Tritanomaly

18.6939, 0.6327, 0.3302

Monochromacy



Original Color

18.6526, 0.6222, 0.3201

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.6851, 0.4821, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6526, 0.6222, 0.3201 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(240, 0, 36)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 36)  
}
```

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(240, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 36) }
```

Border

The CSS property to change the border of an element to Yxy 18.6526, 0.6222, 0.3201 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(240, 0, 36) }
```

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

```
.border{ border-color:rgb(240, 0, 36) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.6526, 0.6222, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 36) }
```

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

```
.background{ background-color: rgb(240, 0,  
36) }
```

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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