

Converting Colors

$Yxy(20.5406, 0.6235, 0.3431)$

Have a look what the booklet for
Yxy(20.5406, 0.6235, 0.3431)
contains.

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Color

Yxy(20.6050, 0.6238, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	F22B00
RGB	242, 43, 0
RGB Percent	95%, 17%, 0%
CMY	0.0509, 0.8314, 1.0000
CMYK	0.00, 0.82, 1.00, 0.05
HSL	11°, 100%, 47%
HSV	11°, 100%, 95%
XYZ	37.4844, 20.6050, 2.0010
YIQ	97.5990, 132.4070, 28.8150

Conversions

Conversions Part 2

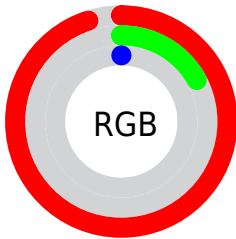
Format	Color
R_{YB}	242, 52, 0
Decimal	15870720
CIE Lab	52.51, 71.35, 65.35
CIE LCh	53, 96.753, 42.487
Yxy	20.6050, 0.6238, 0.3429
Android (android.graphics.Color)	4294060800 (0xFFFF22B00)
YUV	97.5990, -48.1163, 126.6397
Hunter-Lab	45.3927, 67.9644, 29.1613

Details

The Yxy color **20.6050, 0.6238, 0.3429** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **47.2648, 0.2084, 0.2702**, and the grayscale version is **12.2060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5130, 0.5402, 0.3698**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.6063, 0.6238, 0.3429**, and if you desaturate by 10%, it is **22.4893, 0.6003, 0.3501**.

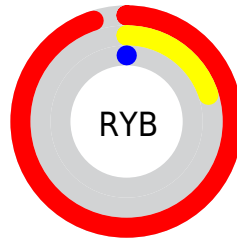
Distribution



Red (95%)

Green (17%)

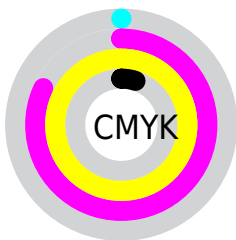
Blue (0%)



Red (95%)

Yellow (20%)

Blue (0%)

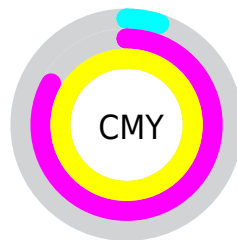


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6050, 0.6238, 0.3429 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 20.6050, 0.6238, 0.3429 by changing the saturation by 10% instead.


 20.6050, 0.6238,
0.3429


 20.6050, 0.6238,
0.3429


 255.1718, 0.4639,
0.3623


 12.8356, 0.6579,
0.3279


 44.4292, 0.5691,
0.3580

 7.3154, 0.6963,
0.3037


 61.2528, 0.5471,
0.3612


 3.6601, 0.7353,
0.2647


 81.8632, 0.5282,
0.3630

 1.4853, 0.7896,
0.2104

 106.6449, 0.5117,
0.3637

 0.2784, 0.9042,
0.0958

 135.9822, 0.4973,
0.3638

 0.0000, 1.0000,
0.0000


 170.2595, 0.4848,


 0.0000, 0.0000,


0.3635


0.0000


 209.8612, 0.4737,
0.3630


 20.6050, 0.6238,
0.3429


 20.6050, 0.6238,
0.3429


 20.6063, 0.6238,
0.3429

 22.4893, 0.6003,
0.3501

 25.2513, 0.5661,
0.3552

 28.9955, 0.5249,
0.3570

 33.8054, 0.4822,
0.3559

 39.7553, 0.4420,
0.3527

■ 46.9128, 0.4064,
0.3483

■ 55.3398, 0.3761,
0.3434

■ 65.0945, 0.3508,
0.3383

■ 76.2308, 0.3299,
0.3335

Harmonies

Analogous

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



20.6050, 0.5763, 0.2637



20.6050, 0.6238, 0.3429



20.6050, 0.5576, 0.4424

Triad

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



20.6050, 0.6238, 0.3429



20.6050, 0.1741, 0.5634



20.6050, 0.1371, 0.1175

Complementary

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



20.6050, 0.6238, 0.3429



47.2648, 0.2084, 0.2702

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.



20.6050, 0.0887, 0.1274



20.6050, 0.6238, 0.3429



20.6050, 0.0973, 0.3252

Square

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



20.6050, 0.6238, 0.3429



20.6050, 0.2960, 0.6594



20.6050, 0.0755, 0.1820



20.6050, 0.2396, 0.1384

Rectangle

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



20.6050, 0.6238, 0.3429



20.6050, 0.4766, 0.5234



20.6050, 0.0755, 0.1820



20.6050, 0.1162, 0.1171

Sweetspot

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



20.6063, 0.6238, 0.3429



62.2337, 0.3763, 0.3434



23.1278, 0.3690, 0.1807



12.4246, 0.3885, 0.3455



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.



20.6063, 0.6238, 0.3429



23.1600, 0.6241, 0.3426



44.4875, 0.4948, 0.4453



16.2128, 0.3289, 0.3333



11.2077, 0.6215, 0.3447



1.0600, 0.5980, 0.3633

Inverse Universe

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



47.2648, 0.2084, 0.2702



53.1637, 0.2083, 0.2700



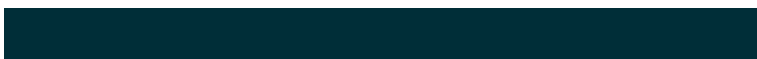
12.2473, 0.1625, 0.1051



17.4233, 0.2981, 0.3247



25.5713, 0.2087, 0.2713



2.2509, 0.2110, 0.2797

Previews

White Background



This preview shows how the Yxy color 20.6050, 0.6238, 0.3429 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 20.6050, 0.6238, 0.3429 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 20.6050, 0.6238, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 20.6050, 0.6238, 0.3429.



This preview shows how white text looks on a background with the Yxy color 20.6050, 0.6238, 0.3429.

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

20.6050, 0.6238, 0.3429

Protanopia

20.7612, 0.4303, 0.4743

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.6096, 0.6064, 0.3308

Trichromacy



Original Color

20.6050, 0.6238, 0.3429

Protanomaly

17.8744, 0.5225, 0.4123

Deuteranomaly

18.4731, 0.5448, 0.4056

Tritanomaly

20.6034, 0.6153, 0.3370

Monochromacy



Original Color

20.6050, 0.6238, 0.3429

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.2806, 0.4684, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6050, 0.6238, 0.3429 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(242, 43, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 43, 0)  
}
```

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(242, 43, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 43, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6050, 0.6238, 0.3429 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(242, 43, 0) }
```

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

```
.border{ border-color:rgb(242, 43, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 43, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 43, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 43, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 43, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6050, 0.6238, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 43, 0) }
```

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

```
.background{ background-color: rgb(242, 43,  
0) }
```

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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