

Converting Colors

$Y_{xy}(19.2977, 0.6364, 0.3329)$

Have a look what the booklet for
Yxy(19.2977, 0.6364, 0.3329)
contains.

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Color

Yxy(19.2478, 0.6364, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	F21000
RGB	242, 16, 0
RGB Percent	95%, 6%, 0%
CMY	0.0511, 0.9364, 1.0000
CMYK	0.00, 0.93, 1.00, 0.05
HSL	4°, 100%, 47%
HSV	4°, 100%, 95%
XYZ	36.7957, 19.2478, 1.7750
YIQ	81.7500, 139.8320, 42.9360

Conversions

Conversions Part 2

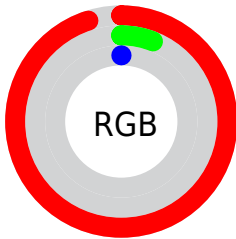
Format	Color
RYB	242, 17, 0
Decimal	15863808
CIELab	50.98, 75.72, 64.76
CIElCh	51, 99.639, 40.540
Yxy	19.2478, 0.6364, 0.3329
Android (android.graphics.Color)	4294053888 (0xFFFF21000)
YUV	81.7500, -40.3027, 140.5393
Hunter-Lab	43.8723, 72.9315, 28.3118

Details

The Yxy color **19.2478, 0.6364, 0.3329** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **60.6661, 0.2188, 0.3076**, and the grayscale version is **8.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1149, 0.5524, 0.3595**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.2491, 0.6364, 0.3329**, and if you desaturate by 10%, it is **20.3763, 0.6177, 0.3357**.

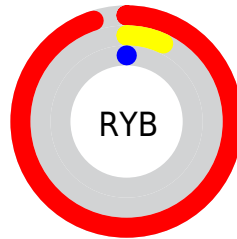
Distribution



Red (95%)

Green (6%)

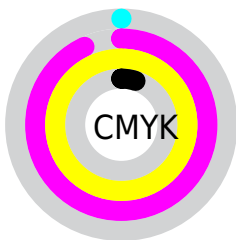
Blue (0%)



Red (95%)

Yellow (7%)

Blue (0%)

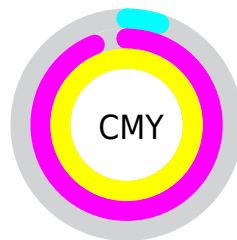


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (94%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2478, 0.6364, 0.3329 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 19.2478, 0.6364, 0.3329 by changing the saturation by 10% instead.


 19.2478, 0.6364,
0.3329

 19.2478, 0.6364,
0.3329


 247.8134, 0.4690,
0.3589


 11.8495, 0.6729,
0.3161


 42.1524, 0.5791,
0.3509

 6.6413, 0.7114,
0.2886


 58.4275, 0.5561,
0.3550

 3.2388, 0.7531,
0.2469

 78.4302, 0.5362,
0.3575

 1.2576, 0.8106,
0.1894

 102.5451, 0.5189,
0.3588

 0.1080, 0.9587,
0.0413

 131.1564, 0.5039,
0.3594


 0.0000, 1.0000,
0.0000


 164.6487, 0.4908,

 0.0000, 0.0000,

0.3595

0.0000


 203.4062, 0.4792,
0.3593

 19.2478, 0.6364,
0.3329

 19.2478, 0.6364,
0.3329

 19.2491, 0.6364,
0.3329

 20.3763, 0.6177,
0.3357

 22.4658, 0.5846,
0.3382

 25.6797, 0.5413,
0.3394

 30.1467, 0.4947,
0.3392

 35.9776, 0.4504,
0.3381

■ 43.2714, 0.4114,
0.3365

■ 52.1177, 0.3787,
0.3346

■ 62.5989, 0.3519,
0.3326

■ 74.7915, 0.3302,
0.3307

Harmonies

Analogous

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



19.2478, 0.5805, 0.2542



19.2478, 0.6364, 0.3329



19.2478, 0.5685, 0.4315

Triad

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



19.2478, 0.6364, 0.3329



19.2478, 0.1731, 0.5932



19.2478, 0.1267, 0.1109

Complementary

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



19.2478, 0.6364, 0.3329



60.6661, 0.2188, 0.3076

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.



19.2478, 0.0808, 0.1226



19.2478, 0.6364, 0.3329



19.2478, 0.0925, 0.3374

Square

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



19.2478, 0.6364, 0.3329



19.2478, 0.2981, 0.6721



19.2478, 0.0691, 0.1811



19.2478, 0.2269, 0.1301

Rectangle

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



19.2478, 0.6364, 0.3329



19.2478, 0.4849, 0.5151



19.2478, 0.0691, 0.1811



19.2478, 0.1067, 0.1111

Sweetspot

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



19.2491, 0.6364, 0.3329



58.6211, 0.3789, 0.3346



24.3541, 0.3387, 0.1639



11.5999, 0.3920, 0.3354



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.



19.2491, 0.6364, 0.3329



21.6638, 0.6366, 0.3328



36.7964, 0.5234, 0.4226



15.9288, 0.3292, 0.3306



10.4115, 0.6352, 0.3339



0.9253, 0.6229, 0.3436

Inverse Universe

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



60.6661, 0.2188, 0.3076



68.3148, 0.2188, 0.3075



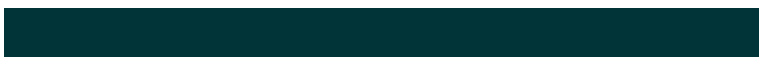
16.4824, 0.1704, 0.1334



17.7369, 0.2981, 0.3274



32.6805, 0.2189, 0.3080



2.7729, 0.2197, 0.3109

Previews

White Background



This preview shows how the Yxy color 19.2478, 0.6364, 0.3329 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 19.2478, 0.6364, 0.3329 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 19.2478, 0.6364, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 19.2478, 0.6364, 0.3329.



This preview shows how white text looks on a background with the Yxy color 19.2478, 0.6364, 0.3329.

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

19.2478, 0.6364, 0.3329

Protanopia

19.6681, 0.4278, 0.4724

Tritanopia

19.2746, 0.6344, 0.3345

Trichromacy



Original Color

19.2478, 0.6364, 0.3329

Protanomaly

15.6213, 0.5383, 0.3967

Tritanomaly

19.2011, 0.6351, 0.3339

Monochromacy



Original Color

19.2478, 0.6364, 0.3329

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.8495, 0.4966, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2478, 0.6364, 0.3329 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, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 16, 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, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 16, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.2478, 0.6364, 0.3329 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, 16, 0) }
```

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

```
.border{ border-color:rgb(242, 16, 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, 16, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 16, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 19.2478, 0.6364, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 16, 0) }
```

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

```
.background{ background-color: rgb(242, 16,  
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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