

Converting Colors

$Y_{xy}(16.2672, 0.6263, 0.3409)$

Have a look what the booklet for
Yxy(16.2672, 0.6263, 0.3409)
contains.

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Color

Yxy(16.2041, 0.6264, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	DB2200
RGB	219, 34, 0
RGB Percent	86%, 13%, 0%
CMY	0.1412, 0.8665, 0.9998
CMYK	0.00, 0.84, 1.00, 0.14
HSL	9°, 100%, 43%
HSV	9°, 100%, 86%
XYZ	29.7836, 16.2041, 1.5595
YIQ	85.4390, 121.1740, 28.6460

Conversions

Conversions Part 2

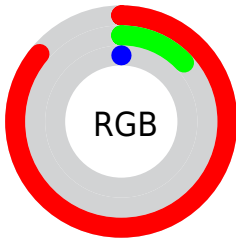
Format	Color
RYB	219, 40, 0
Decimal	14361088
CIELab	47.24, 67.02, 60.47
CIElCh	47, 90.266, 42.056
Yxy	16.2041, 0.6264, 0.3408
Android (android.graphics.Color)	4292551168 (0xFFDB2200)
YUV	85.4390, -42.1214, 117.1330
Hunter-Lab	40.2543, 61.6245, 25.8810

Details

The Yxy color **16.2041, 0.6264, 0.3408** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **39.8143, 0.2107, 0.2783**, and the grayscale version is **9.2587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6599, 0.5512, 0.3634**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2022, 0.6264, 0.3408**, and if you desaturate by 10%, it is **17.6209, 0.6028, 0.3471**.

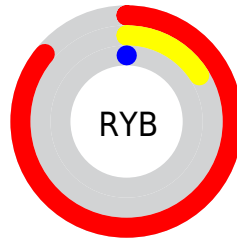
Distribution



Red (86%)

Green (13%)

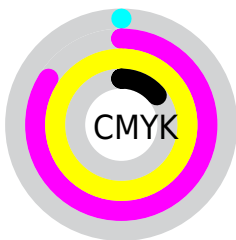
Blue (0%)



Red (86%)

Yellow (16%)

Blue (0%)

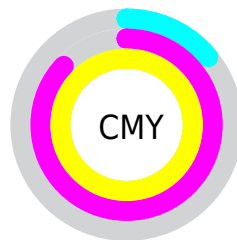


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (87%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2041, 0.6264, 0.3408 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 16.2041, 0.6264, 0.3408 by changing the saturation by 10% instead.


 16.2041, 0.6264,
0.3408


 16.2041, 0.6264,
0.3408


 230.5431, 0.4586,
0.3611


 9.6687, 0.6662,
0.3250


 36.9522, 0.5675,
0.3572


 5.1798, 0.7049,
0.2951

 51.9336, 0.5442,
0.3605


 2.3532, 0.7503,
0.2497

 70.4992, 0.5243,
0.3621

 0.8016, 0.8160,
0.1840

 93.0333, 0.5073,
0.3628

 0.0000, 1.0000,
0.0000


 119.9204, 0.4925,
0.3628


 0.0000, 0.0000,
0.0000


 151.5448, 0.4797,


0.3624


 188.2909, 0.4685,
0.3618


 16.2041, 0.6264,
0.3408


 16.2041, 0.6264,
0.3408


 16.2022, 0.6264,
0.3408

 17.6209, 0.6028,
0.3471

 19.7511, 0.5683,
0.3516

 22.6842, 0.5265,
0.3533

 26.4911, 0.4832,
0.3524

 31.2349, 0.4425,
0.3496

■ 36.9726, 0.4066,
0.3458

■ 43.7565, 0.3760,
0.3415

■ 51.6355, 0.3507,
0.3371

■ 60.6552, 0.3298,
0.3329

Harmonies

Analogous

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



16.2041, 0.5771, 0.2617



16.2041, 0.6264, 0.3408



16.2041, 0.5599, 0.4401

Triad

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



16.2041, 0.6264, 0.3408



16.2041, 0.1740, 0.5696



16.2041, 0.1349, 0.1161

Complementary

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



16.2041, 0.6264, 0.3408



39.8143, 0.2107, 0.2783

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.



16.2041, 0.0870, 0.1265



16.2041, 0.6264, 0.3408



16.2041, 0.0963, 0.3278

Square

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



16.2041, 0.6264, 0.3408



16.2041, 0.2966, 0.6622



16.2041, 0.0741, 0.1819



16.2041, 0.2369, 0.1367

Rectangle

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



16.2041, 0.6264, 0.3408



16.2041, 0.4783, 0.5217



16.2041, 0.0741, 0.1819



16.2041, 0.1141, 0.1159

Sweetspot

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



16.2051, 0.6264, 0.3408



61.4841, 0.3768, 0.3416



18.6113, 0.3634, 0.1775



12.2527, 0.3892, 0.3435



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.



16.2051, 0.6264, 0.3408



22.7497, 0.6275, 0.3400



34.5130, 0.4988, 0.4421



13.3762, 0.3288, 0.3327



9.7100, 0.6245, 0.3423



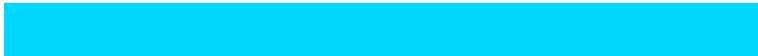
0.7332, 0.5965, 0.3646

Inverse Universe

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



39.8143, 0.2107, 0.2783



56.0331, 0.2105, 0.2778



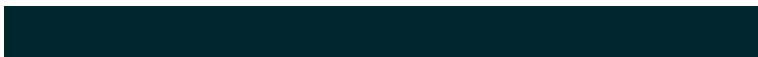
10.3780, 0.1640, 0.1104



14.4673, 0.2982, 0.3253



23.7396, 0.2109, 0.2791



1.6328, 0.2134, 0.2881

Previews

White Background



This preview shows how the Yxy color 16.2041, 0.6264, 0.3408 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2041, 0.6264, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 16.2041, 0.6264, 0.3408.



This preview shows how white text looks on a background with the Yxy color 16.2041, 0.6264, 0.3408.

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

16.2041, 0.6264, 0.3408

Protanopia

16.4014, 0.4284, 0.4730

Deuteranopia

16.3550, 0.4709, 0.4643



Tritanopia

16.1818, 0.6133, 0.3313

Trichromacy



Original Color

16.2041, 0.6264, 0.3408

Protanomaly

13.8547, 0.5243, 0.4088

Deuteranomaly

14.3952, 0.5492, 0.4021

Tritanomaly

16.1915, 0.6199, 0.3361

Monochromacy



Original Color

16.2041, 0.6264, 0.3408

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.2311, 0.4734, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2041, 0.6264, 0.3408 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(219, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 34, 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(219, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 34, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2041, 0.6264, 0.3408 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(219, 34, 0) }
```

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

```
.border{ border-color:rgb(219, 34, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 34, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 34, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 34, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 34, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2041, 0.6264, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 34, 0) }
```

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

```
.background{ background-color: rgb(219, 34,  
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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