

Converting Colors

$Yxy(16.6704, 0.6246, 0.3422)$

Have a look what the booklet for
Yxy(16.6704, 0.6246, 0.3422)
contains.

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Color

Yxy(16.6953, 0.6247, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	DD2500
RGB	221, 37, 0
RGB Percent	87%, 15%, 0%
CMY	0.1334, 0.8547, 1.0000
CMYK	0.00, 0.83, 1.00, 0.13
HSL	10°, 100%, 43%
HSV	10°, 100%, 87%
XYZ	30.4779, 16.6953, 1.6149
YIQ	87.7980, 121.5410, 27.5010

Conversions

Conversions Part 2

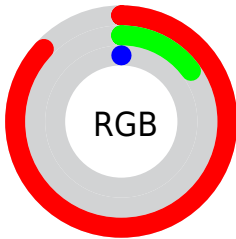
Format	Color
RYB	221, 44, 0
Decimal	14492928
CIELab	47.87, 66.91, 60.99
CIElCh	48, 90.537, 42.348
Yxy	16.6953, 0.6247, 0.3422
Android (android.graphics.Color)	4292683008 (0xFFDD2500)
YUV	87.7980, -43.2844, 116.8182
Hunter-Lab	40.8599, 61.6408, 26.2586

Details

The Yxy color **16.6953, 0.6247, 0.3422** 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 **39.4776, 0.2095, 0.2740**, and the grayscale version is **9.7940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0582, 0.5485, 0.3646**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6964, 0.6247, 0.3422**, and if you desaturate by 10%, it is **18.2031, 0.6008, 0.3489**.

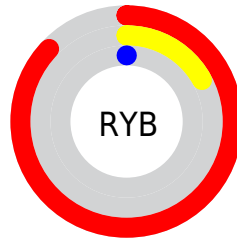
Distribution



Red (87%)

Green (15%)

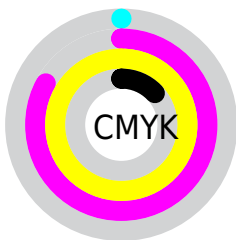
Blue (0%)



Red (87%)

Yellow (17%)

Blue (0%)

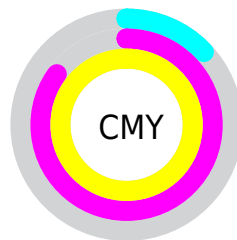


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6953, 0.6247, 0.3422 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 16.6953, 0.6247, 0.3422 by changing the saturation by 10% instead.


 16.6953, 0.6247,
0.3422


 16.6953, 0.6247,
0.3422


 233.4103, 0.4586,
0.3616


 10.0175, 0.6636,
0.3266


 37.8011, 0.5665,
0.3581


 5.4106, 0.7022,
0.2978

 52.9980, 0.5435,
0.3613

 2.4901, 0.7467,
0.2533

 71.8032, 0.5238,
0.3629

 0.8717, 0.8103,
0.1897

 94.6014, 0.5069,
0.3635


 0.0000, 1.0000,
0.0000


 121.7767, 0.4923,
0.3634


 0.0000, 0.0000,
0.0000

 153.7138, 0.4795,


0.3630


 190.7968, 0.4684,
0.3624


 16.6953, 0.6247,
0.3422


 16.6953, 0.6247,
0.3422


 16.6964, 0.6247,
0.3422

 18.2031, 0.6008,
0.3489

 20.4293, 0.5663,
0.3537

 23.4613, 0.5249,
0.3554

 27.3684, 0.4821,
0.3543

 32.2122, 0.4418,
0.3513

■ 38.0485, 0.4062,
0.3471

■ 44.9287, 0.3759,
0.3425

■ 52.9009, 0.3506,
0.3378

■ 62.0097, 0.3298,
0.3332

Harmonies

Analogous

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



16.6953, 0.5766, 0.2630



16.6953, 0.6247, 0.3422



16.6953, 0.5583, 0.4417

Triad

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



16.6953, 0.6247, 0.3422



16.6953, 0.1740, 0.5655



16.6953, 0.1363, 0.1170

Complementary

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



16.6953, 0.6247, 0.3422



39.4776, 0.2095, 0.2740

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.



16.6953, 0.0881, 0.1271



16.6953, 0.6247, 0.3422



16.6953, 0.0969, 0.3260

Square

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



16.6953, 0.6247, 0.3422



16.6953, 0.2961, 0.6604



16.6953, 0.0750, 0.1819



16.6953, 0.2387, 0.1378

Rectangle

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



16.6953, 0.6247, 0.3422



16.6953, 0.4771, 0.5229



16.6953, 0.0750, 0.1819



16.6953, 0.1155, 0.1167

Sweetspot

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



16.6964, 0.6247, 0.3422



61.8976, 0.3765, 0.3426



18.8378, 0.3687, 0.1805



12.3475, 0.3888, 0.3446



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.



16.6964, 0.6247, 0.3422



22.9694, 0.6257, 0.3414



36.3395, 0.4943, 0.4457



13.4024, 0.3287, 0.3330



9.8120, 0.6226, 0.3439



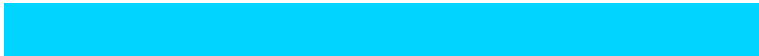
0.7456, 0.5935, 0.3670

Inverse Universe

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



39.4776, 0.2095, 0.2740



54.4337, 0.2093, 0.2735



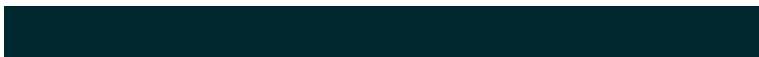
10.0726, 0.1628, 0.1059



14.4386, 0.2982, 0.3250



23.0799, 0.2097, 0.2749



1.5959, 0.2124, 0.2846

Previews

White Background



This preview shows how the Yxy color 16.6953, 0.6247, 0.3422 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 16.6953, 0.6247, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 16.6953, 0.6247, 0.3422.



This preview shows how white text looks on a background with the Yxy color 16.6953, 0.6247, 0.3422.

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

16.6953, 0.6247, 0.3422

Protanopia

17.0077, 0.4285, 0.4738

Deuteranopia

16.8666, 0.4688, 0.4660



Tritanopia

16.6840, 0.6088, 0.3309

Trichromacy



Original Color

16.6953, 0.6247, 0.3422

Protanomaly

14.5382, 0.5213, 0.4117

Deuteranomaly

14.9572, 0.5450, 0.4054

Tritanomaly

16.6880, 0.6167, 0.3365

Monochromacy



Original Color

16.6953, 0.6247, 0.3422

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7760, 0.4689, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6953, 0.6247, 0.3422 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(221, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 37, 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(221, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 37, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6953, 0.6247, 0.3422 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(221, 37, 0) }
```

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

```
.border{ border-color:rgb(221, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(221, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 37, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6953, 0.6247, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 37, 0) }
```

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

```
.background{ background-color: rgb(221, 37,  
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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