

Converting Colors

$Yxy(16.0205, 0.6227, 0.3302)$

Have a look what the booklet for
Yxy(16.0205, 0.6227, 0.3302)
contains.

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Color

Yxy(16.0468, 0.6225, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	DD1717
RGB	221, 23, 23
RGB Percent	87%, 9%, 9%
CMY	0.1334, 0.9096, 0.9096
CMYK	0.00, 0.90, 0.90, 0.13
HSL	360°, 81%, 48%
HSV	360°, 90%, 87%
XYZ	30.2793, 16.0468, 2.3153
YIQ	82.2020, 118.0080, 41.9760

Conversions

Conversions Part 2

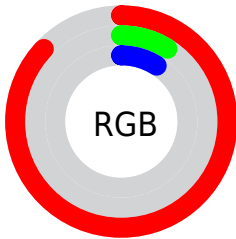
Format	Color
RYB	221, 23, 23
Decimal	14489367
CIELab	47.04, 69.78, 53.27
CIElCh	47, 87.791, 37.360
Yxy	16.0468, 0.6225, 0.3299
Android (android.graphics.Color)	4292679447 (0xFFDD1717)
YUV	82.2020, -29.1866, 121.7258
Hunter-Lab	40.0585, 64.8218, 24.6140

Details

The Yxy color **16.0468, 0.6225, 0.3299** 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 **57.1116, 0.2260, 0.3288**, and the grayscale version is **8.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0807, 0.5417, 0.3500**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.3938, 0.6395, 0.3300**, and if you desaturate by 10%, it is **17.4495, 0.5904, 0.3298**.

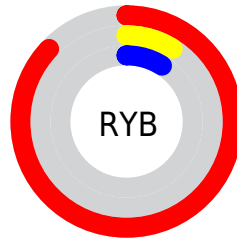
Distribution



Red (87%)

Green (9%)

Blue (9%)



Red (87%)

Yellow (9%)

Blue (9%)

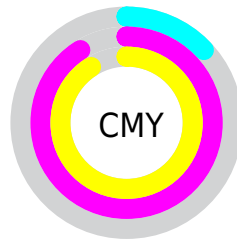


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (13%)



Cyan (13%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0468, 0.6225, 0.3299 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 16.0468, 0.6225, 0.3299 by changing the saturation by 10% instead.


 16.0468, 0.6225,
0.3299


 16.0468, 0.6225,
0.3299


229.6177, 0.4527,
0.3523


 9.5573, 0.6624,
0.3134


 36.6794, 0.5609,
0.3459


 5.1064, 0.7124,
0.2876

 51.5913, 0.5373,
0.3494


 2.3098, 0.7587,
0.2413

 70.0795, 0.5174,
0.3513

 0.7789, 0.8251,
0.1749

 92.5283, 0.5004,
0.3524

 0.0000, 1.0000,
0.0000


 119.3221, 0.4859,
0.3528

 0.0000, 0.0000,
0.0000


 150.8453, 0.4733,


0.3528


 187.4824, 0.4623,
0.3526

 16.0468, 0.6225,
0.3299


 16.0468, 0.6225,
0.3299


 15.3938, 0.6395,
0.3300

 17.4495, 0.5904,
0.3298

 15.3713, 0.6401,
0.3300

 19.8225, 0.5465,
0.3297

 23.2999, 0.4983,
0.3295

 27.9938, 0.4524,
0.3294

 34.0027, 0.4121,
0.3293

■ 41.4150, 0.3785,
0.3292

■ 50.3115, 0.3512,
0.3291

■ 60.7667, 0.3294,
0.3290

■ 72.8503, 0.3121,
0.3290

Harmonies

Analogous

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



16.0468, 0.5508, 0.2517



16.0468, 0.6225, 0.3299



16.0468, 0.5746, 0.4253

Triad

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



16.0468, 0.6225, 0.3299



16.0468, 0.1950, 0.5936



16.0468, 0.1273, 0.1185

Complementary

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



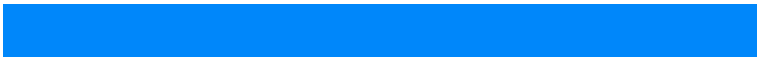
16.0468, 0.6225, 0.3299



57.1116, 0.2260, 0.3288

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.



16.0468, 0.0859, 0.1346



16.0468, 0.6225, 0.3299



16.0468, 0.1080, 0.3621

Square

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



16.0468, 0.6225, 0.3299



16.0468, 0.3200, 0.6480



16.0468, 0.0781, 0.2003



16.0468, 0.2184, 0.1343

Rectangle

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



16.0468, 0.6225, 0.3299



16.0468, 0.4984, 0.5016



16.0468, 0.0781, 0.2003



16.0468, 0.1091, 0.1200

Sweetspot

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



16.0478, 0.6225, 0.3299



59.9929, 0.3715, 0.3292



20.6931, 0.3170, 0.1555



12.0017, 0.3818, 0.3292



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.



16.0478, 0.6225, 0.3299



21.2601, 0.6401, 0.3300



28.5600, 0.5257, 0.4110



13.0516, 0.3292, 0.3290



8.9300, 0.6401, 0.3300



0.5785, 0.6400, 0.3299

Inverse Universe

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



16.0478, 0.6225, 0.3299



21.2601, 0.6401, 0.3300



20.1504, 0.1853, 0.1797



13.0516, 0.3292, 0.3290



8.9300, 0.6401, 0.3300



0.5785, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 16.0468, 0.6225, 0.3299 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



This preview shows how the Yxy color 16.0468, 0.6225, 0.3299 looks on a 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 16.0468, 0.6225, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 16.0468, 0.6225, 0.3299.



This preview shows how white text looks on a background with the Yxy color 16.0468, 0.6225, 0.3299.

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

16.0468, 0.6225, 0.3299

Protanopia

16.4130, 0.4157, 0.4570

Deuteranopia

16.2662, 0.4696, 0.4654



Tritanopia

16.0628, 0.6261, 0.3326

Trichromacy



Original Color

16.0468, 0.6225, 0.3299

Protanomaly

13.4357, 0.5173, 0.3889

Deuteranomaly

13.8443, 0.5526, 0.3939

Tritanomaly

16.0724, 0.6245, 0.3317

Monochromacy



Original Color

16.0468, 0.6225, 0.3299

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.6610, 0.4635, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0468, 0.6225, 0.3299 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, 23, 23)` looks like.

```
.text, #text, p{  
  color:rgb(221, 23, 23)  
}
```

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, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 23, 23) }
```

Border

The CSS property to change the border of an element to Yxy 16.0468, 0.6225, 0.3299 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, 23, 23) }
```

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

```
.border{ border-color:rgb(221, 23, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 23, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(221, 23,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0468, 0.6225, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 23, 23) }
```

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

```
.background{ background-color: rgb(221, 23,  
23) }
```

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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