

Converting Colors

$Yxy(16.0922, 0.6262, 0.3390)$

Have a look what the booklet for
Yxy(16.0922, 0.6262, 0.3390)
contains.

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Color

Yxy(16.1019, 0.6262, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	DB2004
RGB	219, 32, 4
RGB Percent	86%, 13%, 2%
CMY	0.1412, 0.8744, 0.9838
CMYK	0.00, 0.85, 0.98, 0.14
HSL	8°, 96%, 44%
HSV	8°, 98%, 86%
XYZ	29.7522, 16.1019, 1.6582
YIQ	84.7210, 120.4400, 30.9360

Conversions

Conversions Part 2

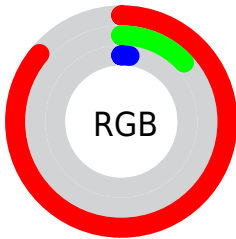
Format	Color
RYB	219, 36, 4
Decimal	14360580
CIELab	47.11, 67.48, 59.23
CIELCh	47, 89.786, 41.278
Yxy	16.1019, 0.6262, 0.3389
Android (android.graphics.Color)	4292550660 (0xFFDB2004)
YUV	84.7210, -39.7955, 117.7627
Hunter-Lab	40.1272, 62.1257, 25.6390

Details

The Yxy color **16.1019, 0.6262, 0.3389** 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 **42.4462, 0.2135, 0.2878**, and the grayscale version is **9.0940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4892, 0.5506, 0.3613**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.9110, 0.6298, 0.3381**, and if you desaturate by 10%, it is **17.5088, 0.6016, 0.3444**.

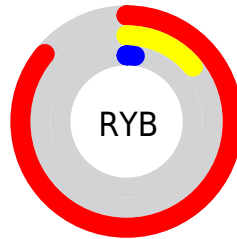
Distribution



Red (86%)

Green (13%)

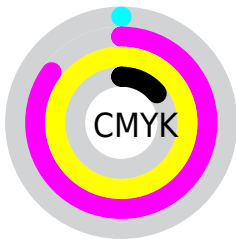
Blue (2%)



Red (86%)

Yellow (14%)

Blue (2%)

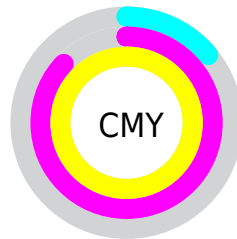


Cyan (0%)

Magenta (85%)

Yellow (98%)

Black (14%)



Cyan (14%)


Magenta (87%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1019, 0.6262, 0.3389 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 16.1019, 0.6262, 0.3389 by changing the saturation by 10% instead.


 16.1019, 0.6262,
0.3389


 16.1019, 0.6262,
0.3389


 229.9423, 0.4577,
0.3596


 9.5963, 0.6660,
0.3228


 36.7750, 0.5667,
0.3553


 5.1321, 0.7065,
0.2935

 51.7113, 0.5433,
0.3586


 2.3250, 0.7523,
0.2477

 70.2266, 0.5234,
0.3603

 0.7869, 0.8184,
0.1816

 92.7054, 0.5063,
0.3610


 0.0000, 1.0000,
0.0000


 119.5319, 0.4915,
0.3611


 0.0000, 0.0000,
0.0000


 151.0906, 0.4787,


0.3608

 187.7659, 0.4676,
0.3603


 16.1019, 0.6262,
0.3389

 16.1019, 0.6262,
0.3389


 15.9110, 0.6298,
0.3381

 17.5088, 0.6016,
0.3444

 19.6695, 0.5652,
0.3480

 22.6760, 0.5221,
0.3492

 26.6047, 0.4780,
0.3482

 31.5230, 0.4372,
0.3458

■ 37.4923, 0.4015,
0.3424

■ 44.5688, 0.3715,
0.3388

■ 52.8047, 0.3467,
0.3351

■ 62.2490, 0.3264,
0.3317

Harmonies

Analogous

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



16.1019, 0.5731, 0.2600



16.1019, 0.6262, 0.3389



16.1019, 0.5625, 0.4375

Triad

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



16.1019, 0.6262, 0.3389



16.1019, 0.1773, 0.5743



16.1019, 0.1334, 0.1163

Complementary

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



16.1019, 0.6262, 0.3389



42.4462, 0.2135, 0.2878

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.



16.1019, 0.0867, 0.1276



16.1019, 0.6262, 0.3389



16.1019, 0.0980, 0.3334

Square

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



16.1019, 0.6262, 0.3389



16.1019, 0.3004, 0.6602



16.1019, 0.0746, 0.1847



16.1019, 0.2336, 0.1361

Rectangle

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



16.1019, 0.6262, 0.3389



16.1019, 0.4818, 0.5182



16.1019, 0.0746, 0.1847



16.1019, 0.1131, 0.1164

Sweetspot

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



16.1029, 0.6262, 0.3389



61.7079, 0.3746, 0.3392



19.0411, 0.3524, 0.1721



12.2629, 0.3871, 0.3408



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.



16.1029, 0.6262, 0.3389



22.3537, 0.6307, 0.3374



32.8548, 0.5055, 0.4355



13.3226, 0.3288, 0.3321



9.5235, 0.6281, 0.3395



0.7079, 0.6028, 0.3595

Inverse Universe

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



42.4462, 0.2135, 0.2878



59.4054, 0.2129, 0.2866



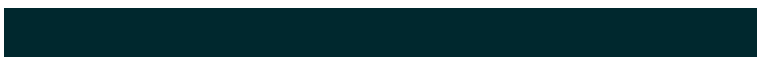
11.8752, 0.1679, 0.1230



14.5261, 0.2982, 0.3259



25.1294, 0.2132, 0.2876



1.7101, 0.2153, 0.2950

Previews

White Background



This preview shows how the Yxy color 16.1019, 0.6262, 0.3389 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 16.1019, 0.6262, 0.3389 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 16.1019, 0.6262, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 16.1019, 0.6262, 0.3389.



This preview shows how white text looks on a background with the Yxy color 16.1019, 0.6262, 0.3389.

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

16.1019, 0.6262, 0.3389

Protanopia

16.4061, 0.4278, 0.4721

Deuteranopia

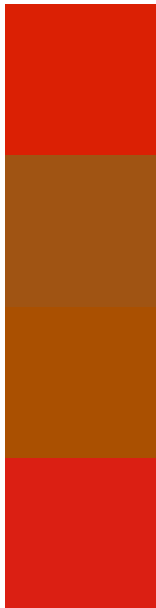
16.2662, 0.4696, 0.4654



Tritanopia

16.0677, 0.6159, 0.3312

Trichromacy



Original Color

16.1019, 0.6262, 0.3389

Protanomaly

13.8612, 0.5231, 0.4077

Deuteranomaly

14.2856, 0.5480, 0.4024

Tritanomaly

16.0871, 0.6205, 0.3347

Monochromacy



Original Color

16.1019, 0.6262, 0.3389

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.2503, 0.4695, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1019, 0.6262, 0.3389 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, 32, 4)` looks like.

```
.text, #text, p{  
    color:rgb(219, 32, 4)  
}
```

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, 32, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 32, 4) }
```

Border

The CSS property to change the border of an element to Yxy 16.1019, 0.6262, 0.3389 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, 32, 4) }
```

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

```
.border{ border-color:rgb(219, 32, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 32, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 32, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 32, 4);  
box-shadow:4px 4px 4px 4px rgb(219, 32, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1019, 0.6262, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 32, 4) }
```

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

```
.background{ background-color: rgb(219, 32,  
4) }
```

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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