

Converting Colors

$Y_{xy}(13.7452, 0.6273, 0.3401)$

Have a look what the booklet for
Yxy(13.7452, 0.6273, 0.3401)
contains.

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Color

Yxy(13.7659, 0.6271, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	CC1E00
RGB	204, 30, 0
RGB Percent	80%, 12%, 0%
CMY	0.2000, 0.8824, 1.0000
CMYK	0.00, 0.85, 1.00, 0.20
HSL	9°, 100%, 40%
HSV	9°, 100%, 80%
XYZ	25.3676, 13.7659, 1.3187
YIQ	78.6060, 113.3340, 27.5580

Conversions

Conversions Part 2

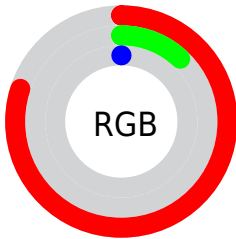
Format	Color
R_{YB}	204, 35, 0
Decimal	13377024
CIE _{Lab}	43.90, 63.75, 57.34
CIE _{LCh}	44, 85.744, 41.968
Yxy	13.7659, 0.6271, 0.3403
Android (android.graphics.Color)	4291567104 (0xFFCC1E00)
YUV	78.6060, -38.7528, 109.9705
Hunter-Lab	37.1024, 57.1145, 23.8643

Details

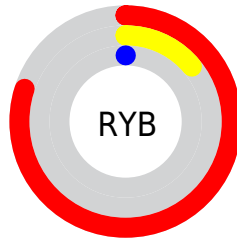
The Yxy color **13.7659, 0.6271, 0.3403** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **34.6360, 0.2115, 0.2813**, and the grayscale version is **7.7988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7108, 0.5575, 0.3601**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.7669, 0.6271, 0.3403**, and if you desaturate by 10%, it is **14.9554, 0.6032, 0.3461**.

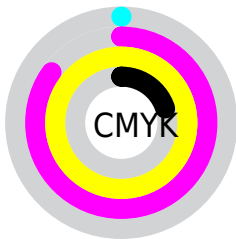
Distribution



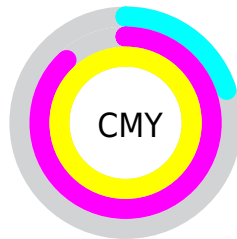
- Red (80%)
- Green (12%)
- Blue (0%)



- Red (80%)
- Yellow (14%)
- Blue (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (100%)
- Black (20%)





- Cyan (20%)
- Magenta (88%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7659, 0.6271, 0.3403 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 13.7659, 0.6271, 0.3403 by changing the saturation by 10% instead.


 13.7659, 0.6271,
0.3403


 13.7659, 0.6271,
0.3403


 215.7696, 0.4545,
0.3606


 7.9580, 0.6723,
0.3246


 32.6731, 0.5653,
0.3573


 4.0681, 0.7100,
0.2900

 46.5412, 0.5412,
0.3606


 1.7117, 0.7604,
0.2396

 63.8648, 0.5208,
0.3621

 0.4312, 0.8549,
0.1451

 85.0283, 0.5034,
0.3626


 0.0000, 1.0000,
0.0000


 110.4162, 0.4885,
0.3625


 0.0000, 0.0000,
0.0000

 140.4127, 0.4756,


0.3621


 175.4024, 0.4643,
0.3614


 13.7659, 0.6271,
0.3403

 13.7659, 0.6271,
0.3403


 13.7669, 0.6271,
0.3403

 14.9554, 0.6032,
0.3461

 16.7548, 0.5684,
0.3504

 19.2424, 0.5265,
0.3520

 22.4797, 0.4831,
0.3511

 26.5210, 0.4424,
0.3485

■ 31.4156, 0.4064,
0.3449

■ 37.2088, 0.3759,
0.3408

■ 43.9427, 0.3506,
0.3367

■ 51.6566, 0.3298,
0.3327

Harmonies

Analogous

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



13.7659, 0.5774, 0.2612



13.7659, 0.6271, 0.3403



13.7659, 0.5604, 0.4396

Triad

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



13.7659, 0.6271, 0.3403



13.7659, 0.1739, 0.5711



13.7659, 0.1343, 0.1157

Complementary

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



13.7659, 0.6271, 0.3403



34.6360, 0.2115, 0.2813

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.



13.7659, 0.0866, 0.1262



13.7659, 0.6271, 0.3403



13.7659, 0.0960, 0.3283

Square

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



13.7659, 0.6271, 0.3403



13.7659, 0.2967, 0.6631



13.7659, 0.0738, 0.1818



13.7659, 0.2363, 0.1362

Rectangle

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



13.7659, 0.6271, 0.3403



13.7659, 0.4787, 0.5213



13.7659, 0.0738, 0.1818



13.7659, 0.1136, 0.1156

Sweetspot

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



13.7669, 0.6271, 0.3403



61.2126, 0.3770, 0.3410



16.0051, 0.3580, 0.1746



12.1906, 0.3895, 0.3427



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.



13.7669, 0.6271, 0.3403



22.6142, 0.6286, 0.3391



28.5930, 0.5030, 0.4388



11.4754, 0.3286, 0.3325



8.7487, 0.6253, 0.3417



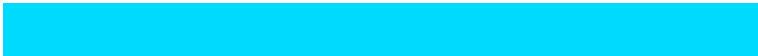
0.5389, 0.5929, 0.3674

Inverse Universe

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



34.6360, 0.2115, 0.2813



57.1062, 0.2113, 0.2807



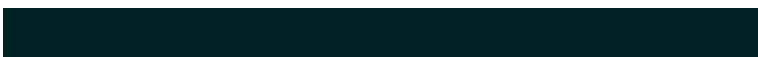
9.3654, 0.1655, 0.1156



12.4349, 0.2983, 0.3255



21.9054, 0.2117, 0.2821



1.2086, 0.2145, 0.2921

Previews

White Background



This preview shows how the Yxy color 13.7659, 0.6271, 0.3403 looks on a white background.

Color Contrast Check

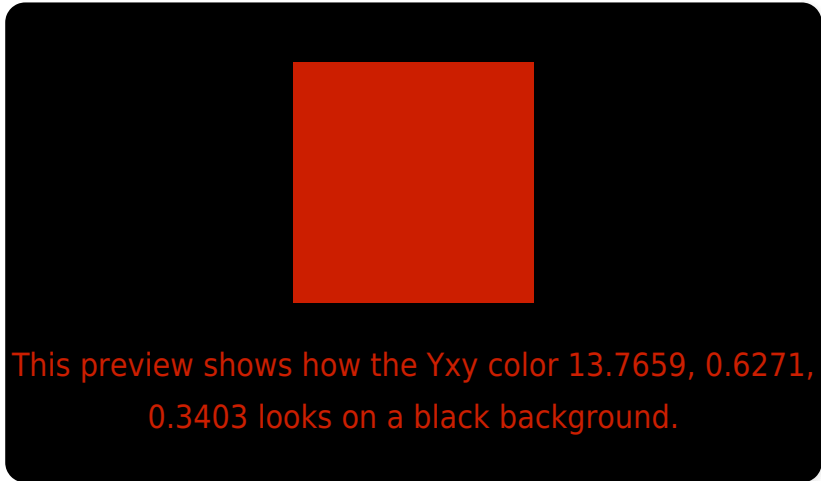
Large Text (above 18pt) WCAG AA ✓ Pass

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

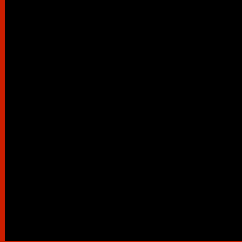
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7659, 0.6271, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 13.7659, 0.6271, 0.3403.



This preview shows how white text looks on a background with the Yxy color 13.7659, 0.6271, 0.3403.

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

13.7659, 0.6271, 0.3403

Protanopia

14.0249, 0.4278, 0.4725

Deuteranopia

14.0199, 0.4682, 0.4664



Tritanopia

13.7863, 0.6143, 0.3319

Trichromacy



Original Color

13.7659, 0.6271, 0.3403

Protanomaly

11.8758, 0.5233, 0.4085

Deuteranomaly

12.3013, 0.5463, 0.4044

Tritanomaly

13.7535, 0.6205, 0.3355

Monochromacy



Original Color

13.7659, 0.6271, 0.3403

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.8529, 0.4716, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7659, 0.6271, 0.3403 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(204, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 30, 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(204, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 30, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7659, 0.6271, 0.3403 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(204, 30, 0) }
```

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

```
.border{ border-color:rgb(204, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 30, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7659, 0.6271, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 30, 0) }
```

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

```
.background{ background-color: rgb(204, 30,  
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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