

Converting Colors

$Y_{xy}(13.3060, 0.5707, 0.2769)$

Have a look what the booklet for
Yxy(13.3060, 0.5707, 0.2769)
contains.

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Color

Yxy(14.1695, 0.5626, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	D20048
RGB	210, 0, 72
RGB Percent	82%, 0%, 28%
CMY	0.1765, 0.9997, 0.7177
CMYK	0.00, 1.00, 0.66, 0.18
HSL	339°, 100%, 41%
HSV	339°, 100%, 82%
XYZ	27.7472, 14.1695, 7.4029
YIQ	70.9980, 102.0480, 66.9120

Conversions

Conversions Part 2

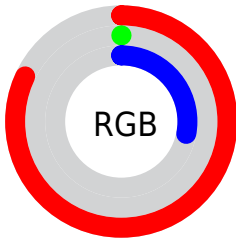
Format	Color
R_{YB}	210, 0, 72
Decimal	13762632
CIE Lab	44.48, 71.02, 22.64
CIE LCh	44, 74.541, 17.680
Yxy	14.1695, 0.5626, 0.2873
Android (android.graphics.Color)	4291952712 (0xFFD20048)
YUV	70.9980, 0.4940, 121.9048
Hunter-Lab	37.6424, 65.7027, 14.6895

Details

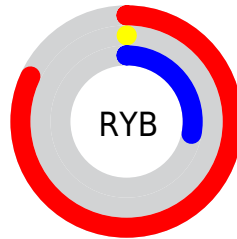
The Yxy color **14.1695, 0.5626, 0.2873** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **47.9285, 0.2573, 0.4461**, and the grayscale version is **6.2939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5955, 0.4877, 0.3000**, and **6.2968, 0.6025, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **14.1683, 0.5627, 0.2873**, and if you desaturate by 10%, it is **14.9086, 0.5324, 0.2783**.

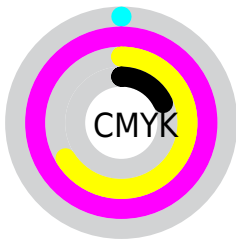
Distribution



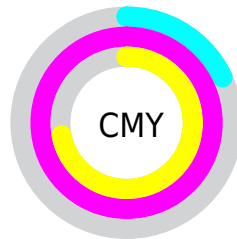
- Red (82%)
- Green (0%)
- Blue (28%)



- Red (82%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1695, 0.5626, 0.2873 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 14.1695, 0.5626, 0.2873 by changing the saturation by 10% instead.


 14.1695, 0.5626,
0.2873


 14.1695, 0.5626,
0.2873


218.2828, 0.4153,
0.3199


 8.2386, 0.6062,
0.2733


 33.3895, 0.5036,
0.3030


 4.2480, 0.6647,
0.2510

 47.4474, 0.4830,
0.3077


 1.8133, 0.7614,
0.2190

 64.9831, 0.4663,
0.3111

 0.4954, 0.8611,
0.1389

 86.3811, 0.4525,
0.3138

 0.0000, 1.0000,
0.0000

 112.0256, 0.4409,
0.3158

 0.0000, 0.0000,
0.0000

 142.3011, 0.4311,

0.3175

177.5921, 0.4226,
0.3188

■ 14.1695, 0.5626,
0.2873

■ 14.1695, 0.5626,
0.2873

■ 14.1683, 0.5627,
0.2873

■ 14.9086, 0.5324,
0.2783

■ 16.2744, 0.4990,
0.2735

■ 18.4652, 0.4647,
0.2736

■ 21.5903, 0.4322,
0.2777

■ 25.7418, 0.4030,
0.2846

■ 31.0007, 0.3777,
0.2931

■ 37.4401, 0.3565,
0.3023

■ 45.1264, 0.3389,
0.3116

■ 54.1212, 0.3245,
0.3206

Harmonies

Analogous

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



14.1695, 0.4274, 0.2147



14.1695, 0.5626, 0.2873



14.1695, 0.5913, 0.3668

Triad

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



14.1695, 0.5626, 0.2873



14.1695, 0.2880, 0.6180



14.1695, 0.1105, 0.1404

Complementary

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



14.1695, 0.5626, 0.2873



47.9285, 0.2573, 0.4461

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.



14.1695, 0.0928, 0.1855



14.1695, 0.5626, 0.2873



14.1695, 0.1762, 0.4954

Square

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



14.1695, 0.5626, 0.2873



14.1695, 0.4132, 0.5709



14.1695, 0.1099, 0.3004



14.1695, 0.1650, 0.1353

Rectangle

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



14.1695, 0.5626, 0.2873



14.1695, 0.5550, 0.4286



14.1695, 0.1099, 0.3004



14.1695, 0.1010, 0.1500

Sweetspot

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



14.1704, 0.5626, 0.2873



57.6940, 0.3572, 0.3020



9.9325, 0.2338, 0.1062



11.3941, 0.3658, 0.2980



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.



14.1704, 0.5626, 0.2873



21.9542, 0.5655, 0.2889



14.7106, 0.6268, 0.3405



11.8741, 0.3237, 0.3211



8.6599, 0.5588, 0.2852



0.4990, 0.5071, 0.2567

Inverse Universe

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



14.1704, 0.5626, 0.2873



21.9542, 0.5655, 0.2889



36.6963, 0.2112, 0.2802



11.8741, 0.3237, 0.3211



8.6599, 0.5588, 0.2852



0.4990, 0.5071, 0.2567

Previews

White Background



This preview shows how the Yxy color 14.1695, 0.5626, 0.2873 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 14.1695, 0.5626, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

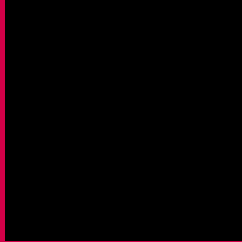
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1695, 0.5626, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 14.1695, 0.5626, 0.2873.



This preview shows how white text looks on a background with the Yxy color 14.1695, 0.5626, 0.2873.

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

14.1695, 0.5626, 0.2873

Protanopia

14.8710, 0.3182, 0.3311

Deuteranopia

14.6869, 0.4119, 0.4030



Tritanopia

14.5086, 0.6148, 0.3313

Trichromacy



Original Color

14.1695, 0.5626, 0.2873



Protanomaly

11.0534, 0.4100, 0.2843



Deuteranomaly

11.6475, 0.4892, 0.3281



Tritanomaly

14.1623, 0.6027, 0.3168

Monochromacy



Original Color

14.1695, 0.5626, 0.2873



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.4693, 0.4345, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1695, 0.5626, 0.2873 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(210, 0, 72)` looks like.

```
.text, #text, p{  
  color:rgb(210, 0, 72)  
}
```

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(210, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 72) }
```

Border

The CSS property to change the border of an element to Yxy 14.1695, 0.5626, 0.2873 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(210, 0, 72) }
```

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

```
.border{ border-color:rgb(210, 0, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(210, 0, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.1695, 0.5626, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 72) }
```

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

```
.background{ background-color: rgb(210, 0,  
72) }
```

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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