

Converting Colors

$Y_{xy}(14.6228, 0.6320, 0.3336)$

Have a look what the booklet for
Yxy(14.6228, 0.6320, 0.3336)
contains.

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Color

Yxy(14.6228, 0.6320, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	D51305
RGB	213, 19, 5
RGB Percent	84%, 7%, 2%
CMY	0.1647, 0.9255, 0.9801
CMYK	0.00, 0.91, 0.98, 0.16
HSL	4°, 95%, 43%
HSV	4°, 98%, 84%
XYZ	27.7027, 14.6228, 1.5079
YIQ	75.4100, 120.1180, 36.7740

Conversions

Conversions Part 2

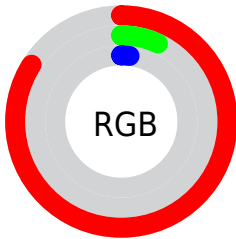
Format	Color
R_{YB}	213, 20, 5
Decimal	13964037
CIE _{Lab}	45.11, 68.09, 57.34
CIE _{LCh}	45, 89.019, 40.100
Yxy	14.6228, 0.6320, 0.3336
Android (android.graphics.Color)	4292154117 (0xFFD51305)
YUV	75.4100, -34.7121, 120.6664
Hunter-Lab	38.2398, 62.3941, 24.4299

Details

The Yxy color **14.6228, 0.6320, 0.3336** 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 **45.7208, 0.2193, 0.3083**, and the grayscale version is **7.1629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2198, 0.5570, 0.3551**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.4684, 0.6359, 0.3333**, and if you desaturate by 10%, it is **15.6657, 0.6091, 0.3365**.

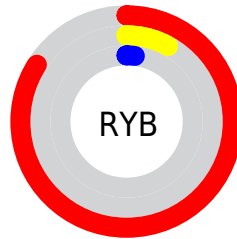
Distribution



Red (84%)

Green (7%)

Blue (2%)



Red (84%)

Yellow (8%)

Blue (2%)

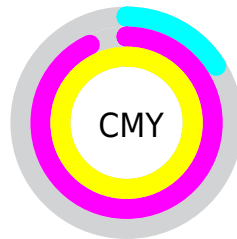


Cyan (0%)

Magenta (91%)

Yellow (98%)

Black (16%)



Cyan (16%)


Magenta (93%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6228, 0.6320, 0.3336 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 14.6228, 0.6320, 0.3336 by changing the saturation by 10% instead.


 14.6228, 0.6320,
0.3336


 14.6228, 0.6320,
0.3336


 221.0716, 0.4579,
0.3575


 8.5551, 0.6751,
0.3166


 34.1901, 0.5698,
0.3515

 4.4521, 0.7160,
0.2840

 48.4585, 0.5456,
0.3553

 1.9296, 0.7651,
0.2349

 66.2292, 0.5250,
0.3574

 0.5661, 0.8440,
0.1560

 87.8866, 0.5075,
0.3583


 0.0000, 1.0000,
0.0000


 113.8152, 0.4924,
0.3586

 0.0000, 0.0000,
0.0000


 144.3993, 0.4793,

0.3585

 180.0233, 0.4679,
0.3580


 14.6228, 0.6320,
0.3336


 14.6228, 0.6320,
0.3336


 14.4684, 0.6359,
0.3333

 15.6657, 0.6091,
0.3365

 17.4592, 0.5726,
0.3387

 20.1131, 0.5279,
0.3394

 23.7172, 0.4819,
0.3390

 28.3502, 0.4391,
0.3377

■ 34.0823, 0.4021,
0.3360

■ 40.9779, 0.3712,
0.3341

■ 49.0961, 0.3460,
0.3321

■ 58.4922, 0.3256,
0.3303

Harmonies

Analogous

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



14.6228, 0.5735, 0.2549



14.6228, 0.6320, 0.3336



14.6228, 0.5685, 0.4315

Triad

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



14.6228, 0.6320, 0.3336



14.6228, 0.1780, 0.5898



14.6228, 0.1281, 0.1134

Complementary

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



14.6228, 0.6320, 0.3336



45.7208, 0.2193, 0.3083

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.



14.6228, 0.0829, 0.1258



14.6228, 0.6320, 0.3336



14.6228, 0.0964, 0.3412

Square

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



14.6228, 0.6320, 0.3336



14.6228, 0.3031, 0.6660



14.6228, 0.0718, 0.1853



14.6228, 0.2266, 0.1320

Rectangle

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



14.6228, 0.6320, 0.3336



14.6228, 0.4869, 0.5131



14.6228, 0.0718, 0.1853



14.6228, 0.1083, 0.1138

Sweetspot

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



14.6237, 0.6320, 0.3336



59.7172, 0.3760, 0.3344



18.3873, 0.3380, 0.1643



11.8070, 0.3890, 0.3352



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.



14.6237, 0.6320, 0.3336



21.6633, 0.6366, 0.3328



28.2992, 0.5184, 0.4247



12.5530, 0.3289, 0.3306



8.8907, 0.6348, 0.3342



0.5842, 0.6189, 0.3468

Inverse Universe

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



45.7208, 0.2193, 0.3083



68.3234, 0.2188, 0.3075



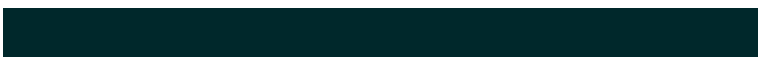
13.0530, 0.1724, 0.1391



13.9588, 0.2983, 0.3274



27.8712, 0.2189, 0.3081



1.7249, 0.2200, 0.3119

Previews

White Background



This preview shows how the Yxy color 14.6228, 0.6320, 0.3336 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 14.6228, 0.6320, 0.3336 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 14.6228, 0.6320, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 14.6228, 0.6320, 0.3336.



This preview shows how white text looks on a background with the Yxy color 14.6228, 0.6320, 0.3336.

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

14.6228, 0.6320, 0.3336

Protanopia

14.9465, 0.4275, 0.4698

Deuteranopia

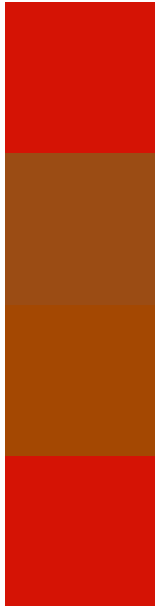
14.9347, 0.4684, 0.4663



Tritanopia

14.6228, 0.6320, 0.3336

Trichromacy



Original Color

14.6228, 0.6320, 0.3336

Protanomaly

12.1880, 0.5308, 0.3986

Deuteranomaly

12.5316, 0.5561, 0.3951

Tritanomaly

14.6228, 0.6320, 0.3336

Monochromacy



Original Color

14.6228, 0.6320, 0.3336

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.3226, 0.4813, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6228, 0.6320, 0.3336 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(213, 19, 5)` looks like.

```
.text, #text, p{  
    color:rgb(213, 19, 5)  
}
```

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(213, 19, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 19, 5) }
```

Border

The CSS property to change the border of an element to Yxy 14.6228, 0.6320, 0.3336 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(213, 19, 5) }
```

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

```
.border{ border-color:rgb(213, 19, 5) }
```

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

Here you see how a box with a 4 pixel rgb(213, 19, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 19, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 19, 5);  
box-shadow:4px 4px 4px 4px rgb(213, 19, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.6228, 0.6320, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 19, 5) }
```

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

```
.background{ background-color: rgb(213, 19,  
5) }
```

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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