

Converting Colors

$Y_{xy}(22.1441, 0.6296, 0.3341)$

Have a look what the booklet for
Yxy(22.1441, 0.6296, 0.3341)
contains.

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Color

Yxy(22.1629, 0.6296, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	FF1D0B
RGB	255, 29, 11
RGB Percent	100%, 11%, 4%
CMY	0.0000, 0.8862, 0.9570
CMYK	0.00, 0.89, 0.96, 0.00
HSL	4°, 100%, 52%
HSV	4°, 96%, 100%
XYZ	41.7402, 22.1629, 2.3933
YIQ	94.5220, 140.4740, 42.3140

Conversions

Conversions Part 2

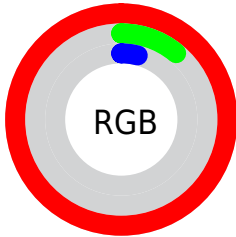
Format	Color
RYB	255, 30, 11
Decimal	16719115
CIELab	54.20, 77.47, 65.01
CIElCh	54, 101.131, 40.003
Yxy	22.1629, 0.6296, 0.3343
Android (android.graphics.Color)	4294909195 (0xFFFF1D0B)
YUV	94.5220, -41.1763, 140.7392
Hunter-Lab	47.0775, 75.8776, 29.9401

Details

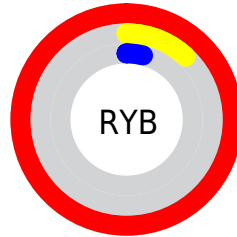
The Yxy color **22.1629, 0.6296, 0.3343** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **67.8224, 0.2188, 0.3063**, and the grayscale version is **11.4009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5540, 0.5392, 0.3607**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.7215, 0.6361, 0.3332**, and if you desaturate by 10%, it is **23.9035, 0.6049, 0.3377**.

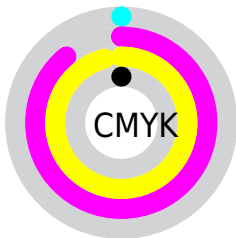
Distribution



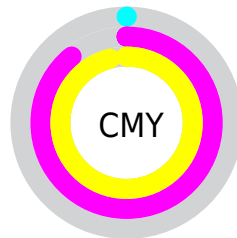
- Red (100%)
- Green (11%)
- Blue (4%)



- Red (100%)
- Yellow (12%)
- Blue (4%)



- Cyan (0%)
- Magenta (89%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1629, 0.6296, 0.3343 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 22.1629, 0.6296, 0.3343 by changing the saturation by 10% instead.


 22.1629, 0.6296,
0.3343


 22.1629, 0.6296,
0.3343


263.3958, 0.4679,
0.3579


 13.9766, 0.6634,
0.3188


 47.0151, 0.5744,
0.3504

 8.1044, 0.7042,
0.2958


 64.4498, 0.5522,
0.3542

 4.1618, 0.7423,
0.2577

 85.7361, 0.5331,
0.3564

 1.7645, 0.7941,
0.2059

 111.2585, 0.5164,
0.3577

 0.4649, 0.8793,
0.1207

 141.4012, 0.5019,
0.3583


 0.0000, 1.0000,
0.0000


 176.5488, 0.4891,


 0.0000, 0.0000,


0.3584


0.0000

 217.0855, 0.4779,
0.3582

 22.1629, 0.6296,
0.3343

 22.1629, 0.6296,
0.3343


 21.7215, 0.6361,
0.3332

 23.9035, 0.6049,
0.3377

 26.8108, 0.5667,
0.3398

 31.0437, 0.5213,
0.3405

 36.7355, 0.4752,
0.3399

 44.0031, 0.4329,
0.3383

52.9516, 0.3966,
0.3364

63.6771, 0.3665,
0.3342

76.2683, 0.3420,
0.3321

90.8081, 0.3222,
0.3301

Harmonies

Analogous

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



22.1629, 0.5705, 0.2556



22.1629, 0.6296, 0.3343



22.1629, 0.5680, 0.4320

Triad

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



22.1629, 0.6296, 0.3343



22.1629, 0.1801, 0.5870



22.1629, 0.1291, 0.1147

Complementary

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



22.1629, 0.6296, 0.3343



67.8224, 0.2188, 0.3063

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.



22.1629, 0.0841, 0.1273



22.1629, 0.6296, 0.3343



22.1629, 0.0982, 0.3422

Square

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



22.1629, 0.6296, 0.3343



22.1629, 0.3045, 0.6619



22.1629, 0.0732, 0.1871



22.1629, 0.2270, 0.1332

Rectangle

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



22.1629, 0.6296, 0.3343



22.1629, 0.4873, 0.5127



22.1629, 0.0732, 0.1871



22.1629, 0.1095, 0.1151

Sweetspot

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



22.1640, 0.6296, 0.3343



59.9372, 0.3758, 0.3349



27.7146, 0.3378, 0.1646



11.8572, 0.3888, 0.3358



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.



22.1640, 0.6296, 0.3343



21.7215, 0.6361, 0.3332



42.8582, 0.5168, 0.4252



18.2029, 0.3293, 0.3308



11.4271, 0.6348, 0.3342



1.1841, 0.6232, 0.3433

Inverse Universe

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



67.8224, 0.2188, 0.3063



67.2829, 0.2181, 0.3052



19.9463, 0.1731, 0.1408



20.2377, 0.2980, 0.3272



35.2539, 0.2182, 0.3057



3.4985, 0.2190, 0.3085

Previews

White Background



This preview shows how the Yxy color 22.1629, 0.6296, 0.3343 looks on a white 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

Black Background



This preview shows how the Yxy color 22.1629, 0.6296, 0.3343 looks on a black 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

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

Yxy 22.1629, 0.6296, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 22.1629, 0.6296, 0.3343.



This preview shows how white text looks on a background with the Yxy color 22.1629, 0.6296, 0.3343.

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

22.1629, 0.6296, 0.3343

Protanopia

22.1976, 0.4271, 0.4708

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.1929, 0.6260, 0.3322

Trichromacy



Original Color

22.1629, 0.6296, 0.3343

Protanomaly

18.3424, 0.5302, 0.3994

Deuteranomaly

19.0238, 0.5543, 0.3961

Tritanomaly

22.1792, 0.6276, 0.3332

Monochromacy



Original Color

22.1629, 0.6296, 0.3343

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.6489, 0.4770, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1629, 0.6296, 0.3343 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(255, 29, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 11)  
}
```

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(255, 29, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 11) }
```

Border

The CSS property to change the border of an element to Yxy 22.1629, 0.6296, 0.3343 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(255, 29, 11) }
```

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

```
.border{ border-color:rgb(255, 29, 11) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1629, 0.6296, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 11) }
```

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

```
.background{ background-color: rgb(255, 29,  
11) }
```

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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