

Converting Colors

$Yxy(22.1037, 0.6328, 0.3357)$

Have a look what the booklet for
Yxy(22.1037, 0.6328, 0.3357)
contains.

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Color

Yxy(22.0905, 0.6329, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	FF1C00
RGB	255, 28, 0
RGB Percent	100%, 11%, 0%
CMY	0.0000, 0.8903, 0.9993
CMYK	0.00, 0.89, 1.00, 0.00
HSL	7°, 100%, 50%
HSV	7°, 100%, 100%
XYZ	41.6599, 22.0905, 2.0735
YIQ	92.6810, 144.2800, 39.4160

Conversions

Conversions Part 2

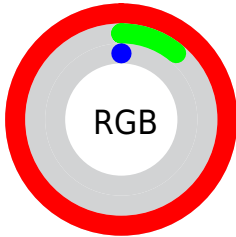
Format	Color
RYB	255, 31, 0
Decimal	16718848
CIELab	54.12, 77.55, 67.49
CIElCh	54, 102.810, 41.032
Yxy	22.0905, 0.6329, 0.3356
Android (android.graphics.Color)	4294908928 (0xFFFF1C00)
YUV	92.6810, -45.6917, 142.3538
Hunter-Lab	47.0005, 75.9664, 30.2848

Details

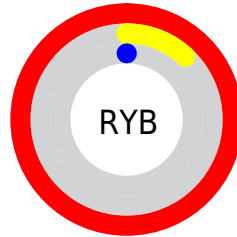
The Yxy color **22.0905, 0.6329, 0.3356** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **62.2787, 0.2149, 0.2936**, and the grayscale version is **10.9514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4869, 0.5443, 0.3646**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.0812, 0.6330, 0.3356**, and if you desaturate by 10%, it is **23.6736, 0.6124, 0.3404**.

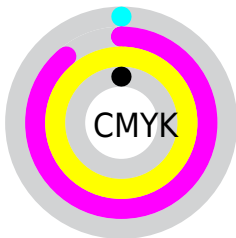
Distribution



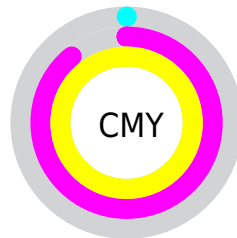
- Red (100%)
- Green (11%)
- Blue (0%)



- Red (100%)
- Yellow (12%)
- Blue (0%)



- Cyan (0%)
- Magenta (89%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (89%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0905, 0.6329, 0.3356 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 22.0905, 0.6329, 0.3356 by changing the saturation by 10% instead.


 22.0905, 0.6329,
0.3356


 22.0905, 0.6329,
0.3356


 263.0185, 0.4710,
0.3600


 13.9234, 0.6665,
0.3197


 46.8955, 0.5782,
0.3524

 8.0674, 0.7046,
0.2954


 64.3023, 0.5560,
0.3563


 4.1381, 0.7428,
0.2572

 85.5577, 0.5368,
0.3587

 1.7511, 0.7948,
0.2052

 111.0461, 0.5200,
0.3599

 0.4564, 0.8808,
0.1192

 141.1520, 0.5053,
0.3605


 0.0000, 1.0000,
0.0000


 176.2598, 0.4925,


 0.0000, 0.0000,


0.3606

0.0000


 216.7539, 0.4811,
0.3604


 22.0905, 0.6329,
0.3356


 22.0905, 0.6329,
0.3356


 22.0812, 0.6330,
0.3356


 23.6736, 0.6124,
0.3404

 26.3194, 0.5787,
0.3442

 30.1803, 0.5359,
0.3458


 35.3802, 0.4905,
0.3455

 42.0275, 0.4475,
0.3437

 50.2196, 0.4096,
0.3410

 60.0452, 0.3777,
0.3379

 71.5865, 0.3514,
0.3348

 84.9200, 0.3300,
0.3318

Harmonies

Analogous

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



22.0905, 0.5792, 0.2568



22.0905, 0.6329, 0.3356



22.0905, 0.5656, 0.4344

Triad

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



22.0905, 0.6329, 0.3356



22.0905, 0.1736, 0.5851



22.0905, 0.1294, 0.1127

Complementary

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



22.0905, 0.6329, 0.3356



62.2787, 0.2149, 0.2936

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.



22.0905, 0.0829, 0.1240



22.0905, 0.6329, 0.3356



22.0905, 0.0939, 0.3342

Square

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



22.0905, 0.6329, 0.3356



22.0905, 0.2978, 0.6687



22.0905, 0.0709, 0.1815



22.0905, 0.2303, 0.1324

Rectangle

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



22.0905, 0.6329, 0.3356



22.0905, 0.4827, 0.5173



22.0905, 0.0709, 0.1815



22.0905, 0.1092, 0.1128

Sweetspot

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



22.0894, 0.6329, 0.3356



59.9676, 0.3779, 0.3379



26.9502, 0.3484, 0.1693



11.9061, 0.3907, 0.3392



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.



22.0894, 0.6329, 0.3356



22.0812, 0.6330, 0.3356



44.0672, 0.5139, 0.4301



18.3057, 0.3292, 0.3317



11.6397, 0.6314, 0.3369



1.2325, 0.6158, 0.3492

Inverse Universe

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



62.2787, 0.2149, 0.2936



62.2664, 0.2149, 0.2936



16.7459, 0.1675, 0.1230



20.1231, 0.2980, 0.3263



32.6716, 0.2151, 0.2942



3.2738, 0.2163, 0.2986

Previews

White Background



This preview shows how the Yxy color 22.0905, 0.6329, 0.3356 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 22.0905, 0.6329, 0.3356 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 22.0905, 0.6329, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 22.0905, 0.6329, 0.3356.



This preview shows how white text looks on a background with the Yxy color 22.0905, 0.6329, 0.3356.

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

22.0905, 0.6329, 0.3356

Protanopia

22.1805, 0.4288, 0.4733

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.0909, 0.6276, 0.3321

Trichromacy



Original Color

22.0905, 0.6329, 0.3356

Protanomaly

18.3183, 0.5335, 0.4024

Deuteranomaly

19.0151, 0.5555, 0.3971

Tritanomaly

22.0704, 0.6301, 0.3335

Monochromacy



Original Color

22.0905, 0.6329, 0.3356

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2474, 0.4869, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0905, 0.6329, 0.3356 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, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 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(255, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0905, 0.6329, 0.3356 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, 28, 0) }
```

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

```
.border{ border-color:rgb(255, 28, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 28, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 28, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0905, 0.6329, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 0) }
```

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

```
.background{ background-color: rgb(255, 28,  
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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