

Converting Colors

$Y_{xy}(21.2776, 0.6379, 0.3288)$

Have a look what the booklet for
Yxy(21.2776, 0.6379, 0.3288)
contains.

Yxy(21.2775, 0.6379, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2775, 0.6379, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	FF0008
RGB	255, 0, 8
RGB Percent	100%, 0%, 3%
CMY	0.0000, 0.9993, 0.9694
CMYK	0.00, 1.00, 0.97, 0.00
HSL	358°, 100%, 50%
HSV	358°, 100%, 100%
XYZ	41.2802, 21.2775, 2.1549
YIQ	77.1570, 149.4120, 56.5480

Conversions

Conversions Part 2

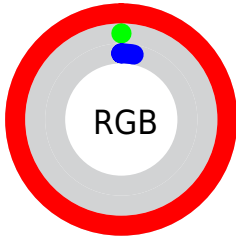
Format	Color
RYB	255, 0, 8
Decimal	16711688
CIELab	53.25, 80.15, 65.30
CIELCh	53, 103.384, 39.171
Yxy	21.2775, 0.6379, 0.3288
Android (android.graphics.Color)	4294901768 (0xFFFF0008)
YUV	77.1570, -34.0944, 155.9683
Hunter-Lab	46.1275, 79.0189, 29.5194

Details

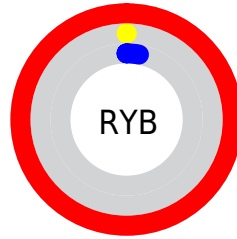
The Yxy color **21.2775, 0.6379, 0.3288** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **78.2529, 0.2272, 0.3380**, and the grayscale version is **7.5115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9846, 0.5491, 0.3555**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2746, 0.6380, 0.3288**, and if you desaturate by 10%, it is **22.0897, 0.6210, 0.3277**.

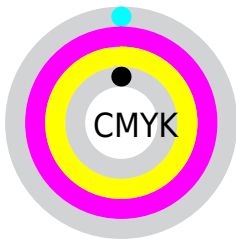
Distribution



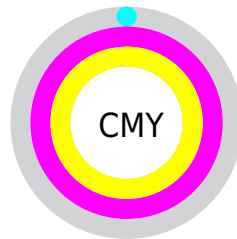
- Red (100%)
- Green (0%)
- Blue (3%)



- Red (100%)
- Yellow (0%)
- Blue (3%)



- Cyan (0%)
- Magenta (100%)
- Yellow (97%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2775, 0.6379, 0.3288 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 21.2775, 0.6379, 0.3288 by changing the saturation by 10% instead.


 21.2775, 0.6379,
0.3288


 21.2775, 0.6379,
0.3288


258.7496, 0.4718,
0.3564


 13.3270, 0.6727,
0.3121


 45.5489, 0.5813,
0.3467


 7.6541, 0.7130,
0.2870


 62.6386, 0.5585,
0.3511

 3.8744, 0.7526,
0.2474

 83.5435, 0.5388,
0.3538

 1.6036, 0.8062,
0.1938

 108.6480, 0.5217,
0.3554

 0.3600, 0.9017,
0.0983

 138.3364, 0.5067,
0.3562

 0.0000, 1.0000,
0.0000

 172.9933, 0.4936,


 0.0000, 0.0000,


0.3566

0.0000


 213.0028, 0.4821,
0.3566


 21.2775, 0.6379,
0.3288


 21.2775, 0.6379,
0.3288

 21.2746, 0.6380,
0.3288

 22.0897, 0.6210,
0.3277


 23.9391, 0.5885,
0.3263


 27.1296, 0.5446,
0.3255


 31.8510, 0.4968,
0.3253

 38.2627, 0.4513,
0.3255

 46.5042, 0.4114,
0.3261

 56.7005, 0.3782,
0.3268

 68.9654, 0.3513,
0.3276

 83.4044, 0.3298,
0.3283

Harmonies

Analogous

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



21.2775, 0.5750, 0.2504



21.2775, 0.6379, 0.3288



21.2775, 0.5739, 0.4261

Triad

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



21.2775, 0.6379, 0.3288



21.2775, 0.1776, 0.6042



21.2775, 0.1232, 0.1103

Complementary

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



21.2775, 0.6379, 0.3288



78.2529, 0.2272, 0.3380

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.



21.2775, 0.0792, 0.1236



21.2775, 0.6379, 0.3288



21.2775, 0.0942, 0.3478

Square

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



21.2775, 0.6379, 0.3288



21.2775, 0.3038, 0.6705



21.2775, 0.0689, 0.1851



21.2775, 0.2205, 0.1281

Rectangle

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



21.2775, 0.6379, 0.3288



21.2775, 0.4911, 0.5089



21.2775, 0.0689, 0.1851



21.2775, 0.1039, 0.1110

Sweetspot

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



21.2789, 0.6379, 0.3288



56.6275, 0.3785, 0.3268



26.9057, 0.3125, 0.1495



11.1490, 0.3917, 0.3265



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.



21.2789, 0.6379, 0.3288



21.2767, 0.6380, 0.3288



34.4734, 0.5534, 0.3987



17.9959, 0.3290, 0.3283



11.1213, 0.6371, 0.3283



1.0858, 0.6299, 0.3244

Inverse Universe

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



21.2789, 0.6379, 0.3288



21.2767, 0.6380, 0.3288



24.8506, 0.1795, 0.1660



17.9959, 0.3290, 0.3283



11.1213, 0.6371, 0.3283



1.0858, 0.6299, 0.3244

Previews

White Background



This preview shows how the Yxy color 21.2775, 0.6379, 0.3288 looks on a white background.

Color Contrast Check

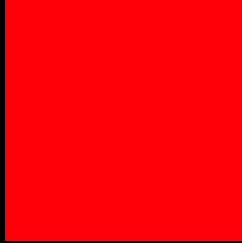
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2775, 0.6379, 0.3288 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 21.2775, 0.6379, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 21.2775, 0.6379, 0.3288.



This preview shows how white text looks on a background with the Yxy color 21.2775, 0.6379, 0.3288.

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

21.2775, 0.6379, 0.3288

Protanopia

21.7453, 0.4264, 0.4721

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5359, 0.6343, 0.3345

Trichromacy



Original Color

21.2775, 0.6379, 0.3288



Protanomaly

16.2909, 0.5459, 0.3875



Deuteranomaly

17.1911, 0.5699, 0.3841



Tritanomaly

21.4191, 0.6362, 0.3319

Monochromacy



Original Color

21.2775, 0.6379, 0.3288



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

8.1953, 0.5104, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2775, 0.6379, 0.3288 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, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 8)  
}
```

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, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 8) }
```

Border

The CSS property to change the border of an element to Yxy 21.2775, 0.6379, 0.3288 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, 0, 8) }
```

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

```
.border{ border-color:rgb(255, 0, 8) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 0, 8); box-shadow:4px  
4px 4px 4px rgb(255, 0, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2775, 0.6379, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 8) }
```

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

```
.background{ background-color: rgb(255, 0,  
8) }
```

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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