

Converting Colors

$Y_{xy}(20.7152, 0.5664, 0.2911)$

Have a look what the booklet for
Yxy(20.7152, 0.5664, 0.2911)
contains.

Yxy(20.7329, 0.5672, 0.2914)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7329, 0.5672, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	F80753
RGB	248, 7, 83
RGB Percent	97%, 3%, 33%
CMY	0.0274, 0.9732, 0.6745
CMYK	0.00, 0.97, 0.67, 0.03
HSL	341°, 95%, 50%
HSV	341°, 97%, 97%
XYZ	40.3559, 20.7329, 10.0605
YIQ	87.7230, 119.2400, 74.7280

Conversions

Conversions Part 2

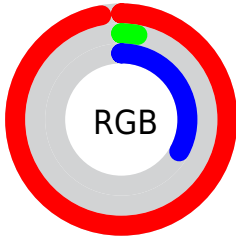
Format	Color
R_{YB}	248, 7, 83
Decimal	16254803
CIE _{Lab}	52.66, 79.87, 27.96
CIE _{LCh}	53, 84.623, 19.290
Yxy	20.7329, 0.5672, 0.2914
Android (android.graphics.Color)	4294444883 (0xFFFF80753)
YUV	87.7230, -2.3284, 140.5629
Hunter-Lab	45.5334, 78.5196, 18.7734

Details

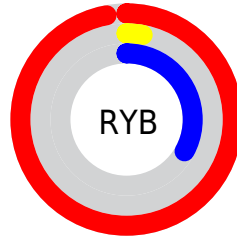
The Yxy color **20.7329, 0.5672, 0.2914** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **70.1674, 0.2543, 0.4342**, and the grayscale version is **9.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6613, 0.4662, 0.2966**, and **10.2138, 0.6038, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **20.5160, 0.5751, 0.2942**, and if you desaturate by 10%, it is **21.8945, 0.5358, 0.2825**.

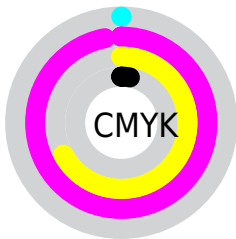
Distribution



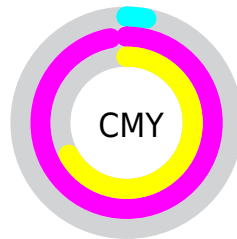
- Red (97%)
- Green (3%)
- Blue (33%)



- Red (97%)
- Yellow (3%)
- Blue (33%)



- Cyan (0%)
- Magenta (97%)
- Yellow (67%)
- Black (3%)





- Cyan (3%)
- Magenta (97%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7329, 0.5672, 0.2914 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 20.7329, 0.5672, 0.2914 by changing the saturation by 10% instead.


 20.7329, 0.5672,
0.2914


 20.7329, 0.5672,
0.2914


255.8556, 0.4254,
0.3214


 12.9289, 0.6053,
0.2795


 44.6426, 0.5131,
0.3055

 7.3796, 0.6542,
0.2614


 61.5171, 0.4934,
0.3098


 3.7006, 0.7178,
0.2333

 82.1838, 0.4771,
0.3130

 1.5075, 0.8093,
0.1907

 107.0272, 0.4634,
0.3155

 0.2940, 0.9142,
0.0858

 136.4317, 0.4518,
0.3175

 0.0000, 1.0000,
0.0000

 170.7817, 0.4418,

 0.0000, 0.0000,

0.3190

0.0000

210.4615, 0.4331,
0.3203

■ 20.7329, 0.5672,
0.2914

■ 20.7329, 0.5672,
0.2914

■ 20.5160, 0.5751,
0.2942

■ 21.8945, 0.5358,
0.2825

■ 24.1155, 0.5004,
0.2783

■ 27.6011, 0.4644,
0.2788

■ 32.5093, 0.4306,
0.2830

■ 38.9748, 0.4005,
0.2898

■ 47.1165, 0.3748,
0.2979

■ 57.0416, 0.3534,
0.3065

■ 68.8484, 0.3358,
0.3151

■ 82.6280, 0.3214,
0.3234

Harmonies

Analogous

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



20.7329, 0.4361, 0.2183



20.7329, 0.5672, 0.2914



20.7329, 0.5897, 0.3714

Triad

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



20.7329, 0.5672, 0.2914



20.7329, 0.2815, 0.6164



20.7329, 0.1124, 0.1393

Complementary

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



20.7329, 0.5672, 0.2914



70.1674, 0.2543, 0.4342

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.



20.7329, 0.0930, 0.1817



20.7329, 0.5672, 0.2914



20.7329, 0.1712, 0.4847

Square

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



20.7329, 0.5672, 0.2914



20.7329, 0.4050, 0.5739



20.7329, 0.1079, 0.2918



20.7329, 0.1693, 0.1359

Rectangle

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



20.7329, 0.5672, 0.2914



20.7329, 0.5498, 0.4332



20.7329, 0.1079, 0.2918



20.7329, 0.1023, 0.1482

Sweetspot

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



20.7342, 0.5672, 0.2914



58.7072, 0.3570, 0.3049



15.6582, 0.2431, 0.1121



11.5804, 0.3659, 0.3012



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.



20.7342, 0.5672, 0.2914



21.8471, 0.5755, 0.2944



22.3484, 0.6174, 0.3454



17.3155, 0.3244, 0.3215



11.1025, 0.5709, 0.2919



1.0466, 0.5374, 0.2734

Inverse Universe

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



20.7342, 0.5672, 0.2914



21.8471, 0.5755, 0.2944



49.9172, 0.2086, 0.2699



17.3155, 0.3244, 0.3215



11.1025, 0.5709, 0.2919



1.0466, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 20.7329, 0.5672, 0.2914 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 20.7329, 0.5672, 0.2914 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 20.7329, 0.5672, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 20.7329, 0.5672, 0.2914.



This preview shows how white text looks on a background with the Yxy color 20.7329, 0.5672, 0.2914.

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

20.7329, 0.5672, 0.2914

Protanopia

21.0727, 0.3220, 0.3363

Deuteranopia

21.1112, 0.4163, 0.4083



Tritanopia

21.0119, 0.6178, 0.3314

Trichromacy



Original Color

20.7329, 0.5672, 0.2914



Protanomaly

16.1535, 0.4167, 0.2922



Deuteranomaly

16.9326, 0.4938, 0.3333



Tritanomaly

20.6492, 0.6064, 0.3191

Monochromacy



Original Color

20.7329, 0.5672, 0.2914



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.8090, 0.4329, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7329, 0.5672, 0.2914 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(248, 7, 83)` looks like.

```
.text, #text, p{  
    color:rgb(248, 7, 83)  
}
```

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(248, 7, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 7, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.7329, 0.5672, 0.2914 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(248, 7, 83) }
```

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

```
.border{ border-color:rgb(248, 7, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 7, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 7, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 7, 83);  
box-shadow:4px 4px 4px 4px rgb(248, 7, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7329, 0.5672, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 7, 83) }
```

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

```
.background{ background-color: rgb(248, 7,  
83) }
```

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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