

Converting Colors

$Y_{xy}(16.4641, 0.6102, 0.2622)$

Have a look what the booklet for
Yxy(16.4641, 0.6102, 0.2622)
contains.

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Color

Yxy(20.6615, 0.5790, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	F9004C
RGB	249, 0, 76
RGB Percent	98%, 0%, 30%
CMY	0.0235, 1.0000, 0.7020
CMYK	0.00, 1.00, 0.69, 0.02
HSL	342°, 100%, 49%
HSV	342°, 100%, 98%
XYZ	40.3746, 20.6615, 8.6955
YIQ	83.1150, 124.0080, 76.4240

Conversions

Conversions Part 2

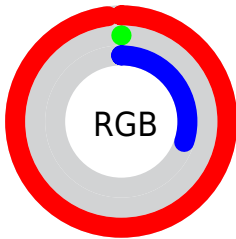
Format	Color
RYB	249, 0, 76
Decimal	16318540
CIELab	52.58, 80.27, 32.11
CIElCh	53, 86.454, 21.802
Yxy	20.6615, 0.5790, 0.2963
Android (android.graphics.Color)	4294508620 (0xFFFF9004C)
YUV	83.1150, -3.5077, 145.4811
Hunter-Lab	45.4549, 79.0038, 20.4762

Details

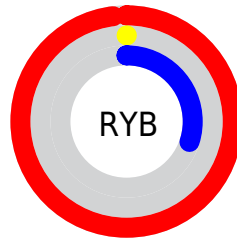
The Yxy color **20.6615, 0.5790, 0.2963** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **70.7773, 0.2538, 0.4336**, and the grayscale version is **8.6635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2901, 0.4762, 0.3027**, and **10.3002, 0.6127, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **20.6637, 0.5790, 0.2963**, and if you desaturate by 10%, it is **21.6286, 0.5488, 0.2867**.

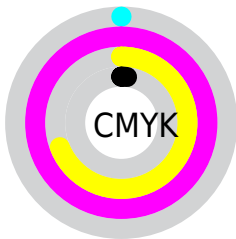
Distribution



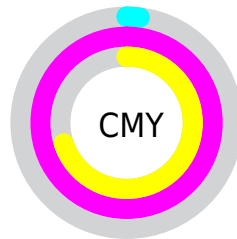
- Red (98%)
- Green (0%)
- Blue (30%)



- Red (98%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6615, 0.5790, 0.2963 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 20.6615, 0.5790, 0.2963 by changing the saturation by 10% instead.


 20.6615, 0.5790,
0.2963


 20.6615, 0.5790,
0.2963


255.4740, 0.4313,
0.3252


 12.8768, 0.6179,
0.2840

 44.5235, 0.5230,
0.3104


 7.3438, 0.6672,
0.2651


 61.3696, 0.5026,
0.3146


 3.6780, 0.7328,
0.2365

 82.0049, 0.4856,
0.3177

 1.4951, 0.8107,
0.1893

 106.8139, 0.4712,
0.3201

 0.2853, 0.9166,
0.0834

 136.1809, 0.4590,
0.3218

 0.0000, 1.0000,
0.0000

 170.4903, 0.4485,

 0.0000, 0.0000,

0.3232

0.0000

210.1266, 0.4393,
0.3243

■ 20.6615, 0.5790,
0.2963

■ 20.6615, 0.5790,
0.2963

■ 20.6637, 0.5790,
0.2963

■ 21.6286, 0.5488,
0.2867

■ 23.5452, 0.5138,
0.2810

■ 26.6899, 0.4770,
0.2801

■ 31.2313, 0.4418,
0.2832

■ 37.3111, 0.4100,
0.2891

■ 45.0535, 0.3826,
0.2967

■ 54.5697, 0.3596,
0.3049

■ 65.9616, 0.3407,
0.3133

■ 79.3230, 0.3253,
0.3214

Harmonies

Analogous

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



20.6615, 0.4525, 0.2220



20.6615, 0.5790, 0.2963



20.6615, 0.5908, 0.3775

Triad

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



20.6615, 0.5790, 0.2963



20.6615, 0.2691, 0.6199



20.6615, 0.1128, 0.1349

Complementary

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



20.6615, 0.5790, 0.2963



70.7773, 0.2538, 0.4336

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.



20.6615, 0.0905, 0.1732



20.6615, 0.5790, 0.2963



20.6615, 0.1606, 0.4709

Square

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



20.6615, 0.5790, 0.2963



20.6615, 0.3941, 0.5854



20.6615, 0.1019, 0.2773



20.6615, 0.1739, 0.1343

Rectangle

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



20.6615, 0.5790, 0.2963



20.6615, 0.5456, 0.4416



20.6615, 0.1019, 0.2773



20.6615, 0.1017, 0.1426

Sweetspot

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



20.6637, 0.5790, 0.2963



57.5571, 0.3597, 0.3049



15.4041, 0.2409, 0.1101



11.3623, 0.3689, 0.3014



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.



20.6637, 0.5790, 0.2963



21.8074, 0.5793, 0.2965



22.0690, 0.6231, 0.3435



17.3124, 0.3246, 0.3218



11.0818, 0.5748, 0.2940



1.0444, 0.5412, 0.2755

Inverse Universe

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



20.6637, 0.5790, 0.2963



21.8074, 0.5793, 0.2965



49.7226, 0.2078, 0.2681



17.3124, 0.3246, 0.3218



11.0818, 0.5748, 0.2940



1.0444, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 20.6615, 0.5790, 0.2963 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 20.6615, 0.5790, 0.2963 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 20.6615, 0.5790, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 20.6615, 0.5790, 0.2963.



This preview shows how white text looks on a background with the Yxy color 20.6615, 0.5790, 0.2963.

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

20.6615, 0.5790, 0.2963

Protanopia

21.3575, 0.3358, 0.3543

Deuteranopia

21.1128, 0.4262, 0.4191



Tritanopia

21.0066, 0.6222, 0.3320

Trichromacy



Original Color

20.6615, 0.5790, 0.2963



Protanomaly

15.9189, 0.4344, 0.3017



Deuteranomaly

16.6723, 0.5091, 0.3404



Tritanomaly

20.6386, 0.6126, 0.3208

Monochromacy



Original Color

20.6615, 0.5790, 0.2963



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.9650, 0.4447, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6615, 0.5790, 0.2963 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(249, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 76)  
}
```

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(249, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 76) }
```

Border

The CSS property to change the border of an element to Yxy 20.6615, 0.5790, 0.2963 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(249, 0, 76) }
```

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

```
.border{ border-color:rgb(249, 0, 76) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(249, 0, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6615, 0.5790, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 76) }
```

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

```
.background{ background-color: rgb(249, 0,  
76) }
```

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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