

Converting Colors

$Y_{xy}(20.9585, 0.5661, 0.3016)$

Have a look what the booklet for
Yxy(20.9585, 0.5661, 0.3016)
contains.

Yxy(20.9272, 0.5660, 0.3017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.9272, 0.5660, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	F4224E
RGB	244, 34, 78
RGB Percent	96%, 13%, 31%
CMY	0.0431, 0.8668, 0.6941
CMYK	0.00, 0.86, 0.68, 0.04
HSL	347°, 91%, 55%
HSV	347°, 86%, 96%
XYZ	39.2602, 20.9272, 9.1769
YIQ	101.8060, 111.0360, 58.2040

Conversions

Conversions Part 2

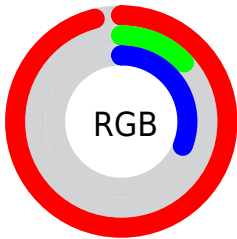
Format	Color
R_{YB}	244, 34, 78
Decimal	15999566
CIE _{Lab}	52.87, 75.52, 31.05
CIE _{LCh}	53, 81.653, 22.352
Yxy	20.9272, 0.5660, 0.3017
Android (android.graphics.Color)	4294189646 (0xFFFF4224E)
YUV	101.8060, -11.7364, 124.7041
Hunter-Lab	45.7463, 73.1356, 20.1286

Details

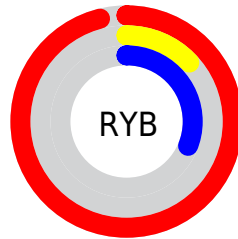
The Yxy color **20.9272, 0.5660, 0.3017** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **69.2216, 0.2435, 0.3881**, and the grayscale version is **13.2387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1004, 0.4688, 0.3089**, and **9.6992, 0.6096, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **19.7568, 0.5982, 0.3094**, and if you desaturate by 10%, it is **23.1681, 0.5267, 0.2975**.

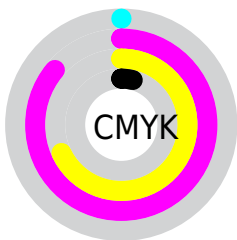
Distribution



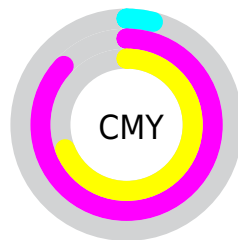
- Red (96%)
- Green (13%)
- Blue (31%)



- Red (96%)
- Yellow (13%)
- Blue (31%)



- Cyan (0%)
- Magenta (86%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (87%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9272, 0.5660, 0.3017 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 20.9272, 0.5660, 0.3017 by changing the saturation by 10% instead.


 20.9272, 0.5660,
0.3017


 20.9272, 0.5660,
0.3017


256.8914, 0.4252,
0.3268


 13.0708, 0.6036,
0.2906

 44.9663, 0.5124,
0.3142

 7.4773, 0.6516,
0.2734


 61.9179, 0.4928,
0.3178


 3.7624, 0.7152,
0.2464

 82.6699, 0.4766,
0.3205

 1.5415, 0.7977,
0.2023

 107.6068, 0.4630,
0.3225

 0.3177, 0.9023,
0.0977

 137.1130, 0.4514,
0.3240

 0.0000, 1.0000,
0.0000

171.5729, 0.4414,

 0.0000, 0.0000,

0.3252

0.0000

211.3709, 0.4328,
0.3261

■ 20.9272, 0.5660,
0.3017

■ 20.9272, 0.5660,
0.3017

■ 19.7568, 0.5982,
0.3094

■ 23.1681, 0.5267,
0.2975


■ 19.4767, 0.6086,
0.3126

■ 26.6619, 0.4853,
0.2970


■ 31.5610, 0.4460,
0.2993


■ 37.9948, 0.4111,
0.3036

■ 46.0777, 0.3814,
0.3090

 55.9136, 0.3570,
0.3147

 67.5975, 0.3371,
0.3204

 81.2177, 0.3210,
0.3259

 96.8568, 0.3079,
0.3309

Harmonies

Analogous

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



20.9272, 0.4478, 0.2286



20.9272, 0.5660, 0.3017



20.9272, 0.5786, 0.3821

Triad

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



20.9272, 0.5660, 0.3017



20.9272, 0.2728, 0.5998



20.9272, 0.1209, 0.1423

Complementary

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



20.9272, 0.5660, 0.3017



69.2216, 0.2435, 0.3881

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.



20.9272, 0.0985, 0.1799



20.9272, 0.5660, 0.3017



20.9272, 0.1676, 0.4583

Square

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



20.9272, 0.5660, 0.3017



20.9272, 0.3933, 0.5764



20.9272, 0.1101, 0.2793



20.9272, 0.1817, 0.1419

Rectangle

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



20.9272, 0.5660, 0.3017



20.9272, 0.5364, 0.4438



20.9272, 0.1101, 0.2793



20.9272, 0.1097, 0.1499

Sweetspot

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



20.9285, 0.5660, 0.3017



61.8189, 0.3569, 0.3147



19.7497, 0.2736, 0.1340



12.3752, 0.3649, 0.3127



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.



20.9285, 0.5660, 0.3017



21.5212, 0.6091, 0.3129



27.2651, 0.5661, 0.3714



16.5393, 0.3261, 0.3241



10.6045, 0.6050, 0.3106



0.9464, 0.5713, 0.2921

Inverse Universe

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



20.9285, 0.5660, 0.3017



21.5212, 0.6091, 0.3129



41.3628, 0.2045, 0.2471



16.5393, 0.3261, 0.3241



10.6045, 0.6050, 0.3106



0.9464, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 20.9272, 0.5660, 0.3017 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 20.9272, 0.5660, 0.3017 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 20.9272, 0.5660, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 20.9272, 0.5660, 0.3017.



This preview shows how white text looks on a background with the Yxy color 20.9272, 0.5660, 0.3017.

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

20.9272, 0.5660, 0.3017

Protanopia

21.0781, 0.3372, 0.3544

Deuteranopia

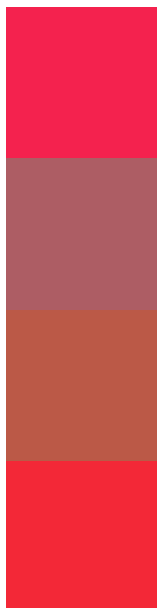
21.0486, 0.4218, 0.4155



Tritanopia

20.9496, 0.6031, 0.3304

Trichromacy



Original Color

20.9272, 0.5660, 0.3017

Protanomaly

17.6330, 0.4240, 0.3188

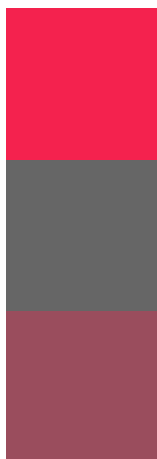
Deuteranomaly

18.1645, 0.4893, 0.3527

Tritanomaly

20.8481, 0.5921, 0.3214

Monochromacy



Original Color

20.9272, 0.5660, 0.3017

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9681, 0.4192, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9272, 0.5660, 0.3017 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(244, 34, 78)` looks like.

```
.text, #text, p{  
    color:rgb(244, 34, 78)  
}
```

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(244, 34, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 34, 78) }
```

Border

The CSS property to change the border of an element to Yxy 20.9272, 0.5660, 0.3017 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(244, 34, 78) }
```

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

```
.border{ border-color:rgb(244, 34, 78) }
```

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

Here you see how a box with a 4 pixel rgb(244, 34, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 34, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 34, 78);  
box-shadow:4px 4px 4px 4px rgb(244, 34,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9272, 0.5660, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 34, 78) }
```

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

```
.background{ background-color: rgb(244, 34,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor