

Converting Colors

$Y_{xy}(20.3655, 0.5261, 0.2974)$

Have a look what the booklet for
Yxy(20.3655, 0.5261, 0.2974)
contains.

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Color

Yxy(20.3281, 0.5252, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	E6375C
RGB	230, 55, 92
RGB Percent	90%, 22%, 36%
CMY	0.0980, 0.7844, 0.6392
CMYK	0.00, 0.76, 0.60, 0.10
HSL	347°, 78%, 56%
HSV	347°, 76%, 90%
XYZ	35.9351, 20.3281, 12.1585
YIQ	111.5430, 92.4230, 48.6070

Conversions

Conversions Part 2

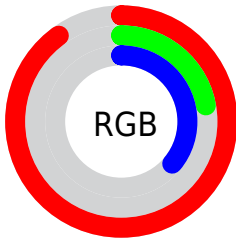
Format	Color
R_{YB}	230, 55, 92
Decimal	15087452
CIE _{Lab}	52.21, 67.55, 21.29
CIE _{LCh}	52, 70.828, 17.490
Yxy	20.3281, 0.5252, 0.2971
Android (android.graphics.Color)	4293277532 (0xFFE6375C)
YUV	111.5430, -9.6347, 103.8868
Hunter-Lab	45.0867, 63.3668, 15.5719

Details

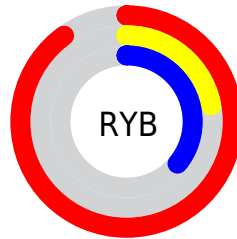
The Yxy color **20.3281, 0.5252, 0.2971** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **61.2627, 0.2454, 0.3806**, and the grayscale version is **16.0698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7038, 0.4446, 0.3031**, and **8.4207, 0.5809, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **18.3503, 0.5644, 0.3012**, and if you desaturate by 10%, it is **23.4013, 0.4840, 0.2967**.

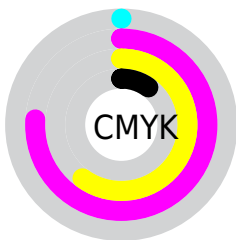
Distribution



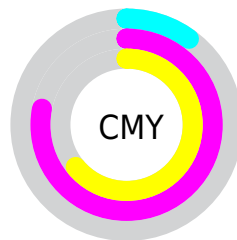
- Red (90%)
- Green (22%)
- Blue (36%)



- Red (90%)
- Yellow (22%)
- Blue (36%)



- Cyan (0%)
- Magenta (76%)
- Yellow (60%)
- Black (10%)





- Cyan (10%)
- Magenta (78%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3281, 0.5252, 0.2971 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 20.3281, 0.5252, 0.2971 by changing the saturation by 10% instead.


 20.3281, 0.5252,
0.2971


 20.3281, 0.5252,
0.2971


253.6858, 0.4051,
0.3210


 12.6338, 0.5591,
0.2877


 43.9666, 0.4784,
0.3082

 7.1768, 0.6043,
0.2732


 60.6795, 0.4617,
0.3116


 3.5729, 0.6659,
0.2498

 81.1675, 0.4480,
0.3141

 1.4377, 0.7816,
0.2184

 105.8148, 0.4366,
0.3162

 0.2442, 0.9065,
0.0935

 135.0059, 0.4269,
0.3178

 0.0000, 1.0000,
0.0000

169.1252, 0.4186,

 0.0000, 0.0000,

0.3191

0.0000

208.5570, 0.4114,
0.3201

■ 20.3281, 0.5252,
0.2971

■ 20.3281, 0.5252,
0.2971

■ 18.3503, 0.5644,
0.3012

■ 23.4013, 0.4840,
0.2967

■ 17.3034, 0.5968,
0.3088


■ 27.6965, 0.4450,
0.2991

■ 17.0442, 0.6074,
0.3119

■ 33.3265, 0.4104,
0.3035


■ 40.3905, 0.3810,
0.3089

■ 48.9780, 0.3567,
0.3146

 59.1714, 0.3369,
0.3204

 71.0471, 0.3209,
0.3258

 84.6764, 0.3080,
0.3309

 95.5653, 0.2976,
0.3290

Harmonies

Analogous

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



20.3281, 0.4104, 0.2291



20.3281, 0.5252, 0.2971



20.3281, 0.5573, 0.3729

Triad

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



20.3281, 0.5252, 0.2971



20.3281, 0.3011, 0.5696



20.3281, 0.1312, 0.1621

Complementary

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



20.3281, 0.5252, 0.2971



61.2627, 0.2454, 0.3806

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.



20.3281, 0.1153, 0.2068



20.3281, 0.5252, 0.2971



20.3281, 0.1986, 0.4671

Square

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



20.3281, 0.5252, 0.2971



20.3281, 0.4117, 0.5427



20.3281, 0.1345, 0.3098



20.3281, 0.1825, 0.1557

Rectangle

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



20.3281, 0.5252, 0.2971



20.3281, 0.5307, 0.4285



20.3281, 0.1345, 0.3098



20.3281, 0.1222, 0.1719

Sweetspot

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



20.3293, 0.5252, 0.2971



65.4894, 0.3504, 0.3164



19.6633, 0.2797, 0.1470



13.0778, 0.3582, 0.3143



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.



20.3293, 0.5252, 0.2971



22.3393, 0.5831, 0.3050



27.1182, 0.5304, 0.3752



14.4176, 0.3259, 0.3240



9.6627, 0.6038, 0.3100



0.7275, 0.5636, 0.2878

Inverse Universe

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



20.3293, 0.5252, 0.2971



22.3393, 0.5831, 0.3050



39.3392, 0.2118, 0.2582



14.4176, 0.3259, 0.3240



9.6627, 0.6038, 0.3100



0.7275, 0.5636, 0.2878

Previews

White Background



This preview shows how the Yxy color 20.3281, 0.5252, 0.2971 looks on a white background.

Color Contrast Check

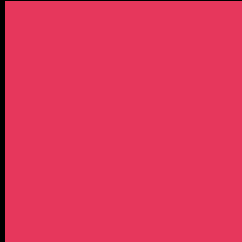
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3281, 0.5252, 0.2971 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 20.3281, 0.5252, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 20.3281, 0.5252, 0.2971.



This preview shows how white text looks on a background with the Yxy color 20.3281, 0.5252, 0.2971.

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

20.3281, 0.5252, 0.2971

Protanopia

20.4597, 0.3176, 0.3290

Deuteranopia

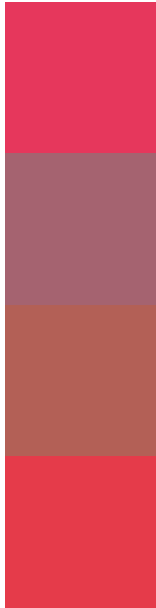
20.5415, 0.3977, 0.3917



Tritanopia

20.3544, 0.5623, 0.3282

Trichromacy



Original Color

20.3281, 0.5252, 0.2971

Protanomaly

18.0929, 0.3908, 0.3087

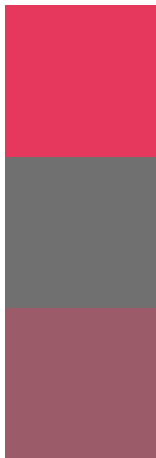
Deuteranomaly

18.6213, 0.4513, 0.3437

Tritanomaly

20.2804, 0.5492, 0.3172

Monochromacy



Original Color

20.3281, 0.5252, 0.2971

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.4707, 0.3916, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3281, 0.5252, 0.2971 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(230, 55, 92)` looks like.

```
.text, #text, p{  
    color:rgb(230, 55, 92)  
}
```

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(230, 55, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 55, 92) }
```

Border

The CSS property to change the border of an element to Yxy 20.3281, 0.5252, 0.2971 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(230, 55, 92) }
```

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

```
.border{ border-color:rgb(230, 55, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 55, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 55, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 55, 92);  
box-shadow:4px 4px 4px 4px rgb(230, 55,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3281, 0.5252, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 55, 92) }
```

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

```
.background{ background-color: rgb(230, 55,  
92) }
```

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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