

Converting Colors

$Y_{xy}(20.0210, 0.5231, 0.2874)$

Have a look what the booklet for
Yxy(20.0210, 0.5231, 0.2874)
contains.

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Color

Yxy(20.0519, 0.5225, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	E82F61
RGB	232, 47, 97
RGB Percent	91%, 18%, 38%
CMY	0.0902, 0.8157, 0.6195
CMYK	0.00, 0.80, 0.58, 0.09
HSL	344°, 80%, 55%
HSV	344°, 80%, 91%
XYZ	36.4548, 20.0519, 13.2633
YIQ	108.0150, 94.2100, 54.7700

Conversions

Conversions Part 2

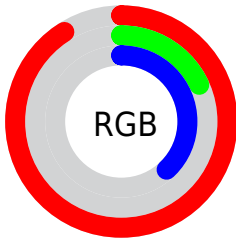
Format	Color
RYB	232, 47, 97
Decimal	15216481
CIELab	51.90, 70.63, 17.92
CIElCh	52, 72.864, 14.237
Yxy	20.0519, 0.5225, 0.2874
Android (android.graphics.Color)	4293406561 (0xFFE82F61)
YUV	108.0150, -5.4304, 108.7348
Hunter-Lab	44.7793, 66.9528, 13.7843

Details

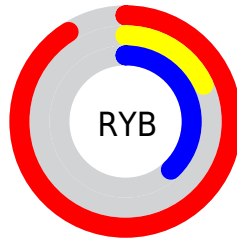
The Yxy color **20.0519, 0.5225, 0.2874** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **61.6968, 0.2493, 0.3999**, and the grayscale version is **14.9972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9549, 0.4401, 0.2941**, and **8.6740, 0.5740, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **18.3822, 0.5587, 0.2930**, and if you desaturate by 10%, it is **22.7758, 0.4841, 0.2863**.

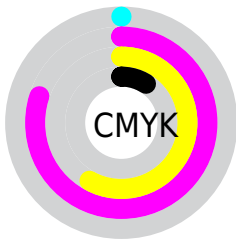
Distribution



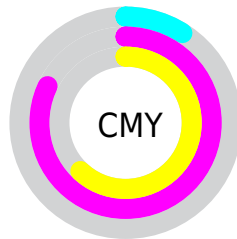
- Red (91%)
- Green (18%)
- Blue (38%)



- Red (91%)
- Yellow (18%)
- Blue (38%)



- Cyan (0%)
- Magenta (80%)
- Yellow (58%)
- Black (9%)





- Cyan (9%)
- Magenta (82%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0519, 0.5225, 0.2874 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 20.0519, 0.5225, 0.2874 by changing the saturation by 10% instead.


 20.0519, 0.5225,
0.2874


 20.0519, 0.5225,
0.2874


252.1959, 0.4037,
0.3159


 12.4328, 0.5562,
0.2771


 43.5042, 0.4761,
0.3000


 7.0391, 0.6014,
0.2618

 60.1061, 0.4596,
0.3040


 3.4866, 0.6636,
0.2376

 80.4711, 0.4461,
0.3071

 1.3907, 0.7708,
0.2028

 104.9836, 0.4348,
0.3096

 0.2099, 0.9212,
0.0788

 134.0279, 0.4252,
0.3116

 0.0000, 1.0000,
0.0000

167.9885, 0.4170,

 0.0000, 0.0000,

0.3133

0.0000

207.2497, 0.4099,
0.3147

■ 20.0519, 0.5225,
0.2874

■ 20.0519, 0.5225,
0.2874

■ 18.3822, 0.5587,
0.2930

■ 22.7758, 0.4841,
0.2863

■ 17.5303, 0.5892,
0.3021

■ 26.6913, 0.4471,
0.2888

■ 17.5124, 0.5899,
0.3023


■ 31.9185, 0.4138,
0.2940

■ 38.5619, 0.3851,
0.3006

■ 46.7153, 0.3611,
0.3079

 56.4645, 0.3415,
0.3153

 67.8887, 0.3254,
0.3225

 81.0619, 0.3124,
0.3292

 95.5392, 0.3019,
0.3346

Harmonies

Analogous

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



20.0519, 0.3979, 0.2198



20.0519, 0.5225, 0.2874



20.0519, 0.5650, 0.3633

Triad

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



20.0519, 0.5225, 0.2874



20.0519, 0.3115, 0.5809



20.0519, 0.1238, 0.1607

Complementary

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



20.0519, 0.5225, 0.2874



61.6968, 0.2493, 0.3999

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.



20.0519, 0.1112, 0.2110



20.0519, 0.5225, 0.2874



20.0519, 0.2046, 0.4896

Square

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



20.0519, 0.5225, 0.2874



20.0519, 0.4241, 0.5393



20.0519, 0.1346, 0.3242



20.0519, 0.1715, 0.1510

Rectangle

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



20.0519, 0.5225, 0.2874



20.0519, 0.5422, 0.4191



20.0519, 0.1346, 0.3242



20.0519, 0.1160, 0.1721

Sweetspot

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



20.0531, 0.5225, 0.2874



64.4251, 0.3496, 0.3121



17.5133, 0.2644, 0.1350



12.8820, 0.3568, 0.3095



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.



20.0531, 0.5225, 0.2874



22.0086, 0.5799, 0.2991



24.1919, 0.5570, 0.3622



14.4317, 0.3250, 0.3227



9.7398, 0.5858, 0.3001



0.7349, 0.5442, 0.2771

Inverse Universe

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



20.0531, 0.5225, 0.2874



22.0086, 0.5799, 0.2991



44.0951, 0.2138, 0.2727



14.4317, 0.3250, 0.3227



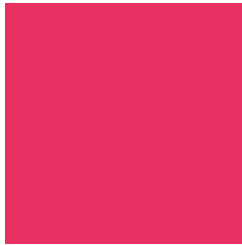
9.7398, 0.5858, 0.3001



0.7349, 0.5442, 0.2771

Previews

White Background



This preview shows how the Yxy color 20.0519, 0.5225, 0.2874 looks on a white background.

Color Contrast Check

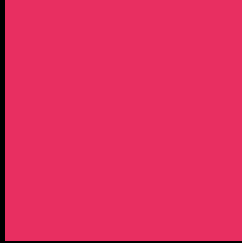
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0519, 0.5225, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

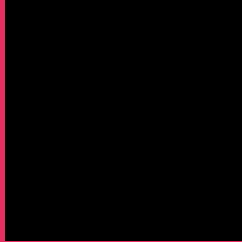
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0519, 0.5225, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 20.0519, 0.5225, 0.2874.



This preview shows how white text looks on a background with the Yxy color 20.0519, 0.5225, 0.2874.

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

20.0519, 0.5225, 0.2874

Protanopia

20.3938, 0.3028, 0.3126

Deuteranopia

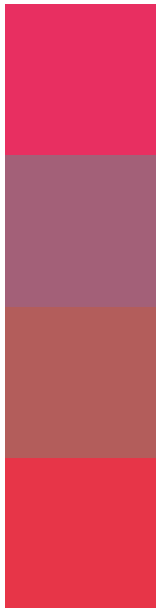
20.1941, 0.3895, 0.3824



Tritanopia

20.0547, 0.5719, 0.3290

Trichromacy



Original Color

20.0519, 0.5225, 0.2874

Protanomaly

17.5083, 0.3771, 0.2911

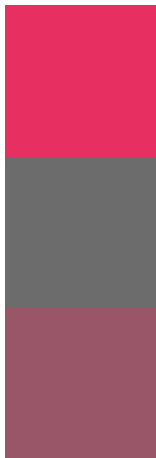
Deuteranomaly

18.1677, 0.4461, 0.3323

Tritanomaly

20.0030, 0.5572, 0.3149

Monochromacy



Original Color

20.0519, 0.5225, 0.2874

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.4274, 0.3928, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0519, 0.5225, 0.2874 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(232, 47, 97)` looks like.

```
.text, #text, p{  
    color:rgb(232, 47, 97)  
}
```

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(232, 47, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 47, 97) }
```

Border

The CSS property to change the border of an element to Yxy 20.0519, 0.5225, 0.2874 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(232, 47, 97) }
```

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

```
.border{ border-color:rgb(232, 47, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 47, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 47, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 47, 97);  
box-shadow:4px 4px 4px 4px rgb(232, 47,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0519, 0.5225, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 47, 97) }
```

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

```
.background{ background-color: rgb(232, 47,  
97) }
```

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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