

Converting Colors

$Y_{xy}(20.5302, 0.6120, 0.3145)$

Have a look what the booklet for
Yxy(20.5302, 0.6120, 0.3145)
contains.

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Color

Yxy(20.5457, 0.6123, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	FA0031
RGB	250, 0, 49
RGB Percent	98%, 0%, 19%
CMY	0.0197, 0.9993, 0.8078
CMYK	0.00, 1.00, 0.80, 0.02
HSL	348°, 100%, 49%
HSV	348°, 100%, 98%
XYZ	39.9750, 20.5457, 4.7659
YIQ	80.3360, 133.2710, 68.2390

Conversions

Conversions Part 2

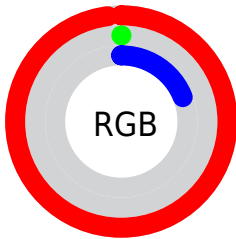
Format	Color
R_{YB}	250, 0, 49
Decimal	16384049
CIE _{Lab}	52.45, 79.58, 47.53
CIE _{LCh}	52, 92.693, 30.849
Yxy	20.5457, 0.6123, 0.3147
Android (android.graphics.Color)	4294574129 (0xFFFA0031)
YUV	80.3360, -15.4486, 148.7953
Hunter-Lab	45.3274, 78.0994, 25.4951

Details

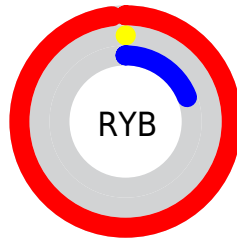
The Yxy color **20.5457, 0.6123, 0.3147** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **72.5872, 0.2427, 0.3938**, and the grayscale version is **8.1240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4703, 0.5142, 0.3296**, and **10.0782, 0.6372, 0.3284** is the 20% darker color. If you saturate the color by 10%, you get **20.5417, 0.6125, 0.3148**, and if you desaturate by 10%, it is **21.4555, 0.5840, 0.3068**.

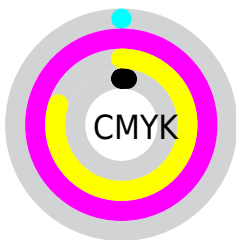
Distribution



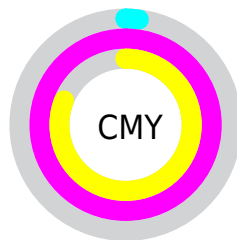
- Red (98%)
- Green (0%)
- Blue (19%)



- Red (98%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5457, 0.6123, 0.3147 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 20.5457, 0.6123, 0.3147 by changing the saturation by 10% instead.


 20.5457, 0.6123,
0.3147


 20.5457, 0.6123,
0.3147


254.8542, 0.4505,
0.3405

 12.7923, 0.6511,
0.3006


 44.3302, 0.5533,
0.3296

 7.2857, 0.6985,
0.2790


 61.1302, 0.5309,
0.3335

 3.6414, 0.7550,
0.2450

 81.7144, 0.5120,
0.3361

 1.4751, 0.8099,
0.1901

 106.4674, 0.4959,
0.3379

 0.2711, 0.9187,
0.0813

 135.7734, 0.4821,
0.3390

 0.0000, 1.0000,
0.0000

 170.0170, 0.4702,

 0.0000, 0.0000,

0.3398

0.0000

209.5824, 0.4597,
0.3403

■ 20.5457, 0.6123,
0.3147

■ 20.5457, 0.6123,
0.3147

■ 20.5417, 0.6125,
0.3148

■ 21.4555, 0.5840,
0.3068

■ 23.3432, 0.5468,
0.3012

■ 26.4895, 0.5052,
0.2992

■ 31.0672, 0.4639,
0.3003

■ 37.2217, 0.4262,
0.3037

■ 45.0805, 0.3938,
0.3083

■ 54.7580, 0.3669,
0.3136

■ 66.3586, 0.3448,
0.3190

■ 79.9788, 0.3270,
0.3242

Harmonies

Analogous

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



20.5457, 0.5126, 0.2376



20.5457, 0.6123, 0.3147



20.5457, 0.5853, 0.4017

Triad

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



20.5457, 0.6123, 0.3147



20.5457, 0.2242, 0.6175



20.5457, 0.1181, 0.1225

Complementary

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



20.5457, 0.6123, 0.3147



72.5872, 0.2427, 0.3938

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.



20.5457, 0.0850, 0.1472



20.5457, 0.6123, 0.3147



20.5457, 0.1260, 0.4109

Square

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



20.5457, 0.6123, 0.3147



20.5457, 0.3511, 0.6258



20.5457, 0.0846, 0.2285



20.5457, 0.1958, 0.1316

Rectangle

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



20.5457, 0.6123, 0.3147



20.5457, 0.5239, 0.4761



20.5457, 0.0846, 0.2285



20.5457, 0.1031, 0.1264

Sweetspot

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



20.5470, 0.6123, 0.3147



57.1706, 0.3671, 0.3136



19.1879, 0.2698, 0.1260



11.2729, 0.3779, 0.3113



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.



20.5470, 0.6123, 0.3147



21.4889, 0.6127, 0.3149



25.3707, 0.5991, 0.3624



17.2807, 0.3263, 0.3244



10.9133, 0.6090, 0.3128



1.0249, 0.5778, 0.2956

Inverse Universe

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



20.5470, 0.6123, 0.3147



21.4889, 0.6127, 0.3149



37.5797, 0.1962, 0.2262



17.2807, 0.3263, 0.3244



10.9133, 0.6090, 0.3128



1.0249, 0.5778, 0.2956

Previews

White Background



This preview shows how the Yxy color 20.5457, 0.6123, 0.3147 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 20.5457, 0.6123, 0.3147 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 20.5457, 0.6123, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 20.5457, 0.6123, 0.3147.



This preview shows how white text looks on a background with the Yxy color 20.5457, 0.6123, 0.3147.

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

20.5457, 0.6123, 0.3147

Protanopia

21.1038, 0.3847, 0.4190

Deuteranopia

20.8976, 0.4591, 0.4515



Tritanopia

20.7136, 0.6348, 0.3341

Trichromacy



Original Color

20.5457, 0.6123, 0.3147



Protanomaly

15.8619, 0.4959, 0.3493



Deuteranomaly

16.5089, 0.5503, 0.3685



Tritanomaly

20.4975, 0.6315, 0.3291

Monochromacy



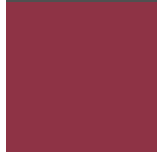
Original Color

20.5457, 0.6123, 0.3147



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.5481, 0.4701, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5457, 0.6123, 0.3147 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(250, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 49)  
}
```

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(250, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 49) }
```

Border

The CSS property to change the border of an element to Yxy 20.5457, 0.6123, 0.3147 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(250, 0, 49) }
```

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

```
.border{ border-color:rgb(250, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5457, 0.6123, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 49) }
```

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

```
.background{ background-color: rgb(250, 0,  
49) }
```

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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