

Converting Colors

$Y_{xy}(20.2592, 0.6342, 0.3284)$

Have a look what the booklet for
Yxy(20.2592, 0.6342, 0.3284)
contains.

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Color

Yxy(20.3045, 0.6343, 0.3284)

Conversions

Conversions Part 1

Format	Color
Hex	F9060F
RGB	249, 6, 15
RGB Percent	98%, 2%, 6%
CMY	0.0235, 0.9761, 0.9410
CMYK	0.00, 0.98, 0.94, 0.02
HSL	358°, 95%, 50%
HSV	358°, 98%, 98%
XYZ	39.2179, 20.3045, 2.3062
YIQ	79.6830, 141.9390, 54.3150

Conversions

Conversions Part 2

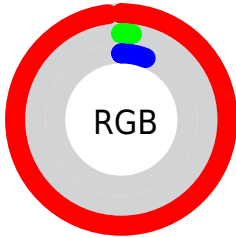
Format	Color
RYB	249, 6, 15
Decimal	16320015
CIELab	52.18, 78.36, 62.22
CIELCh	52, 100.053, 38.449
Yxy	20.3045, 0.6343, 0.3284
Android (android.graphics.Color)	4294510095 (0xFFFF9060F)
YUV	79.6830, -31.8887, 148.4910
Hunter-Lab	45.0605, 76.4993, 28.5079

Details

The Yxy color **20.3045, 0.6343, 0.3284** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **74.0810, 0.2280, 0.3400**, and the grayscale version is **8.0108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0310, 0.5455, 0.3528**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.1592, 0.6374, 0.3285**, and if you desaturate by 10%, it is **21.2650, 0.6131, 0.3266**.

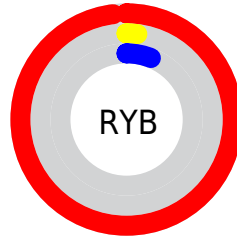
Distribution



Red (98%)

Green (2%)

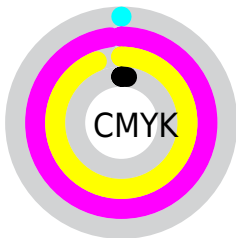
Blue (6%)



Red (98%)

Yellow (2%)

Blue (6%)

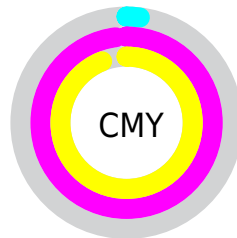


Cyan (0%)

Magenta (98%)

Yellow (94%)

Black (2%)



Cyan (2%)


Magenta (98%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3045, 0.6343, 0.3284 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 20.3045, 0.6343, 0.3284 by changing the saturation by 10% instead.


 20.3045, 0.6343,
0.3284


 20.3045, 0.6343,
0.3284

253.5588, 0.4675,
0.3549


 12.6166, 0.6700,
0.3118


 43.9271, 0.5766,
0.3457

 7.1651, 0.7129,
0.2871


 60.6306, 0.5537,
0.3499


 3.5655, 0.7535,
0.2465

 81.1081, 0.5339,
0.3525

 1.4336, 0.8089,
0.1911

 105.7439, 0.5168,
0.3540

 0.2413, 0.9238,
0.0762

 134.9225, 0.5020,
0.3548

 0.0000, 1.0000,
0.0000


 169.0282, 0.4890,

 0.0000, 0.0000,


0.3551

0.0000


 208.4456, 0.4776,
0.3551

 20.3045, 0.6343,
0.3284


 20.3045, 0.6343,
0.3284


 20.1592, 0.6374,
0.3285

 21.2650, 0.6131,
0.3266

 23.3153, 0.5769,
0.3251

 26.6800, 0.5314,
0.3244

 31.5293, 0.4840,
0.3243

 38.0081, 0.4400,
0.3248

■ 46.2439, 0.4021,
0.3255

■ 56.3518, 0.3708,
0.3265

■ 68.4369, 0.3455,
0.3274

■ 82.5966, 0.3253,
0.3283

Harmonies

Analogous

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



20.3045, 0.5676, 0.2500



20.3045, 0.6343, 0.3284



20.3045, 0.5751, 0.4249

Triad

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



20.3045, 0.6343, 0.3284



20.3045, 0.1830, 0.6035



20.3045, 0.1236, 0.1123

Complementary

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



20.3045, 0.6343, 0.3284



74.0810, 0.2280, 0.3400

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.



20.3045, 0.0806, 0.1266



20.3045, 0.6343, 0.3284



20.3045, 0.0981, 0.3536

Square

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



20.3045, 0.6343, 0.3284



20.3045, 0.3092, 0.6642



20.3045, 0.0712, 0.1898



20.3045, 0.2187, 0.1293

Rectangle

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



20.3045, 0.6343, 0.3284



20.3045, 0.4942, 0.5058



20.3045, 0.0712, 0.1898



20.3045, 0.1047, 0.1133

Sweetspot

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



20.3058, 0.6343, 0.3284



57.7796, 0.3750, 0.3263



24.9503, 0.3085, 0.1479



11.3662, 0.3880, 0.3259



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.



20.3058, 0.6343, 0.3284



21.2806, 0.6375, 0.3285



32.5042, 0.5532, 0.3972



17.2356, 0.3288, 0.3282



10.7958, 0.6363, 0.3279



1.0034, 0.6271, 0.3228

Inverse Universe

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



20.3058, 0.6343, 0.3284



21.2806, 0.6375, 0.3285



25.5432, 0.1826, 0.1759



17.2356, 0.3288, 0.3282



10.7958, 0.6363, 0.3279



1.0034, 0.6271, 0.3228

Previews

White Background



This preview shows how the Yxy color 20.3045, 0.6343, 0.3284 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 20.3045, 0.6343, 0.3284 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 20.3045, 0.6343, 0.3284

Background



This preview shows how black text looks on a background with the Yxy color 20.3045, 0.6343, 0.3284.



This preview shows how white text looks on a background with the Yxy color 20.3045, 0.6343, 0.3284.

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

20.3045, 0.6343, 0.3284

Protanopia

20.7244, 0.4237, 0.4672

Deuteranopia

20.4628, 0.4702, 0.4649



Tritanopia

20.3869, 0.6344, 0.3345

Trichromacy



Original Color

20.3045, 0.6343, 0.3284



Protanomaly

15.8316, 0.5380, 0.3859



Deuteranomaly

16.5361, 0.5659, 0.3861



Tritanomaly

20.3683, 0.6349, 0.3321

Monochromacy



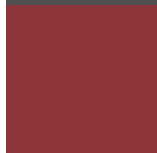
Original Color

20.3045, 0.6343, 0.3284



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.4945, 0.4958, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3045, 0.6343, 0.3284 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, 6, 15)` looks like.

```
.text, #text, p{  
    color:rgb(249, 6, 15)  
}
```

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, 6, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 6, 15) }
```

Border

The CSS property to change the border of an element to Yxy 20.3045, 0.6343, 0.3284 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, 6, 15) }
```

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

```
.border{ border-color:rgb(249, 6, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 6, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 6, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 6, 15);  
box-shadow:4px 4px 4px 4px rgb(249, 6, 15)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3045, 0.6343, 0.3284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 6, 15) }
```

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

```
.background{ background-color: rgb(249, 6,  
15) }
```

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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