

Converting Colors

$Y_{xy}(20.6756, 0.6294, 0.3366)$

Have a look what the booklet for
Yxy(20.6756, 0.6294, 0.3366)
contains.

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Color

Yxy(20.6368, 0.6291, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	F62005
RGB	246, 32, 5
RGB Percent	96%, 13%, 2%
CMY	0.0353, 0.8743, 0.9812
CMYK	0.00, 0.87, 0.98, 0.04
HSL	7°, 96%, 49%
HSV	7°, 98%, 96%
XYZ	38.5469, 20.6368, 2.0894
YIQ	92.9080, 136.2110, 36.9710

Conversions

Conversions Part 2

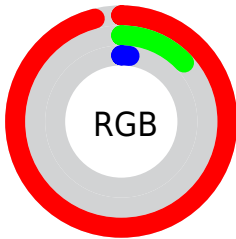
Format	Color
R_{YB}	246, 35, 5
Decimal	16130053
CIE _{Lab}	52.55, 74.63, 64.64
CIE _{LCh}	53, 98.733, 40.900
Yxy	20.6368, 0.6291, 0.3368
Android (android.graphics.Color)	4294320133 (0xFFFF62005)
YUV	92.9080, -43.3386, 134.2617
Hunter-Lab	45.4277, 71.9646, 29.0724

Details

The Yxy color **20.6368, 0.6291, 0.3368** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **57.2054, 0.2150, 0.2931**, and the grayscale version is **11.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5084, 0.5426, 0.3633**, and **9.5837, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.4125, 0.6324, 0.3361**, and if you desaturate by 10%, it is **22.3092, 0.6059, 0.3418**.

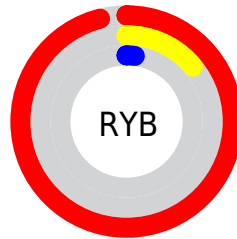
Distribution



Red (96%)

Green (13%)

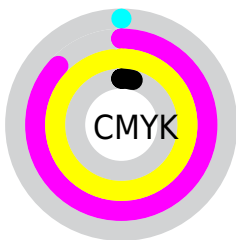
Blue (2%)



Red (96%)

Yellow (14%)

Blue (2%)

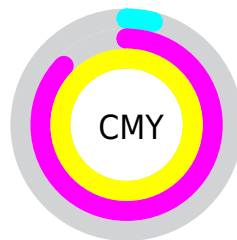


Cyan (0%)

Magenta (87%)

Yellow (98%)

Black (4%)



Cyan (4%)


Magenta (87%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6368, 0.6291, 0.3368 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 20.6368, 0.6291, 0.3368 by changing the saturation by 10% instead.


 20.6368, 0.6291,
0.3368


 20.6368, 0.6291,
0.3368


255.3419, 0.4663,
0.3595


 12.8588, 0.6638,
0.3210


 44.4823, 0.5733,
0.3530

 7.3314, 0.7035,
0.2965


 61.3185, 0.5509,
0.3567


 3.6702, 0.7431,
0.2569

 81.9430, 0.5316,
0.3588

 1.4908, 0.7976,
0.2024

 106.7400, 0.5149,
0.3599

 0.2823, 0.9087,
0.0913

 136.0940, 0.5003,
0.3603


 0.0000, 1.0000,
0.0000


 170.3894, 0.4875,


 0.0000, 0.0000,


0.3603


0.0000


 210.0106, 0.4763,
0.3600


 20.6368, 0.6291,
0.3368


 20.6368, 0.6291,
0.3368

 20.4125, 0.6324,
0.3361

 22.3092, 0.6059,
0.3418

 24.9851, 0.5699,
0.3453

 28.7953, 0.5262,
0.3465

 33.8483, 0.4812,
0.3458

 40.2398, 0.4393,
0.3437

■ 48.0561, 0.4028,
0.3408

■ 57.3763, 0.3721,
0.3376

■ 68.2734, 0.3469,
0.3344

■ 80.8160, 0.3264,
0.3313

Harmonies

Analogous

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



20.6368, 0.5744, 0.2579



20.6368, 0.6291, 0.3368



20.6368, 0.5648, 0.4352

Triad

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



20.6368, 0.6291, 0.3368



20.6368, 0.1768, 0.5806



20.6368, 0.1311, 0.1148

Complementary

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



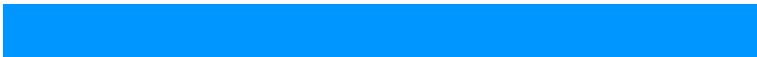
20.6368, 0.6291, 0.3368



57.2054, 0.2150, 0.2931

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.



20.6368, 0.0849, 0.1264



20.6368, 0.6291, 0.3368



20.6368, 0.0968, 0.3357

Square

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



20.6368, 0.6291, 0.3368



20.6368, 0.3006, 0.6633



20.6368, 0.0731, 0.1842



20.6368, 0.2310, 0.1343

Rectangle

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



20.6368, 0.6291, 0.3368



20.6368, 0.4834, 0.5166



20.6368, 0.0731, 0.1842



20.6368, 0.1110, 0.1150

Sweetspot

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



20.6381, 0.6291, 0.3368



61.1696, 0.3750, 0.3379



24.9624, 0.3477, 0.1694



12.1393, 0.3876, 0.3393



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.



20.6381, 0.6291, 0.3368



22.1301, 0.6326, 0.3359



41.2597, 0.5108, 0.4314



16.7840, 0.3291, 0.3317



10.9958, 0.6307, 0.3374



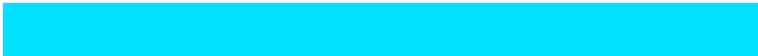
1.0631, 0.6131, 0.3514

Inverse Universe

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



57.2054, 0.2150, 0.2931



61.7085, 0.2145, 0.2923



16.0453, 0.1689, 0.1268



18.4191, 0.2981, 0.3262



30.5010, 0.2147, 0.2930



2.7700, 0.2161, 0.2979

Previews

White Background



This preview shows how the Yxy color 20.6368, 0.6291, 0.3368 looks on a white background.

Color Contrast Check

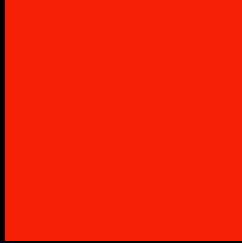
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6368, 0.6291, 0.3368 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 20.6368, 0.6291, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 20.6368, 0.6291, 0.3368.



This preview shows how white text looks on a background with the Yxy color 20.6368, 0.6291, 0.3368.

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

20.6368, 0.6291, 0.3368

Protanopia

20.7714, 0.4292, 0.4727

Deuteranopia

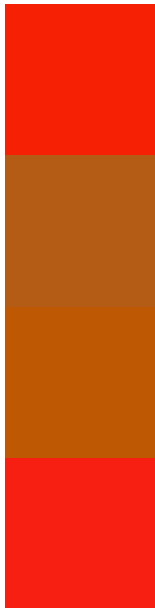
20.8039, 0.4698, 0.4651



Tritanopia

20.6430, 0.6219, 0.3320

Trichromacy



Original Color

20.6368, 0.6291, 0.3368

Protanomaly

17.4117, 0.5291, 0.4043

Deuteranomaly

18.0602, 0.5519, 0.3989

Tritanomaly

20.6165, 0.6253, 0.3339

Monochromacy



Original Color

20.6368, 0.6291, 0.3368

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2330, 0.4768, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6368, 0.6291, 0.3368 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(246, 32, 5)` looks like.

```
.text, #text, p{  
    color:rgb(246, 32, 5)  
}
```

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(246, 32, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 32, 5) }
```

Border

The CSS property to change the border of an element to Yxy 20.6368, 0.6291, 0.3368 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(246, 32, 5) }
```

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

```
.border{ border-color:rgb(246, 32, 5) }
```

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

Here you see how a box with a 4 pixel rgb(246, 32, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 32, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 32, 5);  
box-shadow:4px 4px 4px 4px rgb(246, 32, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6368, 0.6291, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 32, 5) }
```

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

```
.background{ background-color: rgb(246, 32,  
5) }
```

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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