

Converting Colors

$Y_{xy}(20.3275, 0.6267, 0.3406)$

Have a look what the booklet for
Yxy(20.3275, 0.6267, 0.3406)
contains.

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Color

Yxy(20.2635, 0.6269, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	F22600
RGB	242, 38, 0
RGB Percent	95%, 15%, 0%
CMY	0.0510, 0.8507, 1.0000
CMYK	0.00, 0.84, 1.00, 0.05
HSL	9°, 100%, 47%
HSV	9°, 100%, 95%
XYZ	37.3075, 20.2635, 1.9401
YIQ	94.6640, 133.7820, 31.4300

Conversions

Conversions Part 2

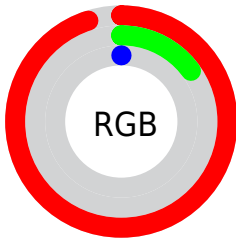
Format	Color
R_{YB}	242, 45, 0
Decimal	15869440
CIE _{Lab}	52.13, 72.41, 65.23
CIE _{LCh}	52, 97.462, 42.016
Yxy	20.2635, 0.6269, 0.3405
Android (android.graphics.Color)	4294059520 (0xFFFF22600)
YUV	94.6640, -46.6694, 129.2137
Hunter-Lab	45.0150, 69.1607, 28.9552

Details

The Yxy color **20.2635, 0.6269, 0.3405** 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 **49.5616, 0.2104, 0.2773**, and the grayscale version is **11.4566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8838, 0.5431, 0.3670**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.2651, 0.6268, 0.3405**, and if you desaturate by 10%, it is **22.0138, 0.6040, 0.3470**.

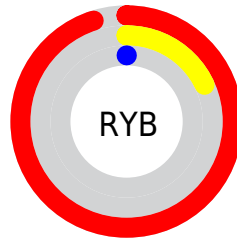
Distribution



Red (95%)

Green (15%)

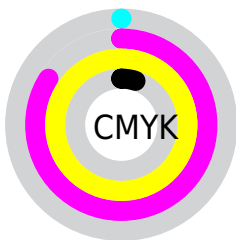
Blue (0%)



Red (95%)

Yellow (18%)

Blue (0%)

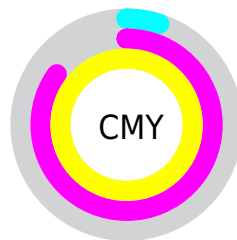


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2635, 0.6269, 0.3405 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 20.2635, 0.6269, 0.3405 by changing the saturation by 10% instead.


 20.2635, 0.6269,
0.3405

 20.2635, 0.6269,
0.3405

 253.3380, 0.4652,
0.3615


 12.5867, 0.6616,
0.3250


 43.8585, 0.5716,
0.3563

 7.1446, 0.7000,
0.3000

 60.5456, 0.5494,
0.3598


 3.5527, 0.7397,
0.2603

 81.0048, 0.5301,
0.3617

 1.4266, 0.7948,
0.2052

 105.6207, 0.5135,
0.3625

 0.2362, 0.9166,
0.0834

 134.7775, 0.4990,
0.3628


 0.0000, 1.0000,
0.0000

 168.8598, 0.4863,


 0.0000, 0.0000,


0.3626


0.0000


 208.2518, 0.4751,
0.3621


 20.2635, 0.6269,
0.3405

 20.2635, 0.6269,
0.3405


 20.2651, 0.6268,
0.3405

 22.0138, 0.6040,
0.3470

 24.6615, 0.5698,
0.3518

 28.3197, 0.5281,
0.3537

 33.0787, 0.4846,
0.3528

 39.0186, 0.4436,
0.3500

■ 46.2117, 0.4073,
0.3461

■ 54.7247, 0.3765,
0.3417

■ 64.6194, 0.3510,
0.3373

■ 75.9537, 0.3299,
0.3330

Harmonies

Analogous

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



20.2635, 0.5774, 0.2614



20.2635, 0.6269, 0.3405



20.2635, 0.5602, 0.4398

Triad

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



20.2635, 0.6269, 0.3405



20.2635, 0.1738, 0.5705



20.2635, 0.1345, 0.1158

Complementary

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



20.2635, 0.6269, 0.3405



49.5616, 0.2104, 0.2773

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.



20.2635, 0.0867, 0.1262



20.2635, 0.6269, 0.3405



20.2635, 0.0960, 0.3280

Square

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



20.2635, 0.6269, 0.3405



20.2635, 0.2965, 0.6628



20.2635, 0.0739, 0.1817



20.2635, 0.2366, 0.1364

Rectangle

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



20.2635, 0.6269, 0.3405



20.2635, 0.4785, 0.5215



20.2635, 0.0739, 0.1817



20.2635, 0.1138, 0.1156

Sweetspot

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



20.2651, 0.6268, 0.3405



61.5522, 0.3768, 0.3418



23.3162, 0.3637, 0.1777



12.2683, 0.3891, 0.3437



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.



20.2651, 0.6268, 0.3405



22.7848, 0.6272, 0.3402



43.0880, 0.4994, 0.4417



16.1602, 0.3289, 0.3328



11.0137, 0.6247, 0.3422



1.0352, 0.6023, 0.3599

Inverse Universe

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



49.5616, 0.2104, 0.2773



55.7667, 0.2103, 0.2771



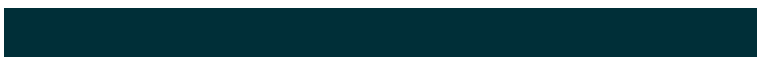
12.8593, 0.1637, 0.1094



17.4807, 0.2981, 0.3252



26.7947, 0.2106, 0.2782



2.3417, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 20.2635, 0.6269, 0.3405 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 20.2635, 0.6269, 0.3405 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 20.2635, 0.6269, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 20.2635, 0.6269, 0.3405.



This preview shows how white text looks on a background with the Yxy color 20.2635, 0.6269, 0.3405.

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

20.2635, 0.6269, 0.3405

Protanopia

20.4237, 0.4298, 0.4731

Deuteranopia

20.4628, 0.4702, 0.4649



Tritanopia

20.2488, 0.6137, 0.3312

Trichromacy



Original Color

20.2635, 0.6269, 0.3405

Protanomaly

17.3407, 0.5267, 0.4079

Deuteranomaly

18.1311, 0.5479, 0.4031

Tritanomaly

20.2545, 0.6203, 0.3358

Monochromacy



Original Color

20.2635, 0.6269, 0.3405

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5197, 0.4736, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2635, 0.6269, 0.3405 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(242, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 38, 0)  
}
```

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(242, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 38, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.2635, 0.6269, 0.3405 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(242, 38, 0) }
```

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

```
.border{ border-color:rgb(242, 38, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 38, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.2635, 0.6269, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 38, 0) }
```

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

```
.background{ background-color: rgb(242, 38,  
0) }
```

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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