

Converting Colors

$Y_{xy}(20.7726, 0.6219, 0.3438)$

Have a look what the booklet for
Yxy(20.7726, 0.6219, 0.3438)
contains.

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Color

Yxy(20.7584, 0.6219, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	F22D02
RGB	242, 45, 2
RGB Percent	95%, 18%, 1%
CMY	0.0509, 0.8236, 0.9921
CMYK	0.00, 0.81, 0.99, 0.05
HSL	11°, 98%, 48%
HSV	11°, 99%, 95%
XYZ	37.5717, 20.7584, 2.0843
YIQ	99.0010, 131.2150, 28.3910

Conversions

Conversions Part 2

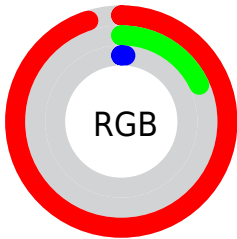
Format	Color
R_{YB}	242, 54, 2
Decimal	15871234
CIE Lab	52.68, 70.90, 64.92
CIE LCh	53, 96.133, 42.478
Yxy	20.7584, 0.6219, 0.3436
Android (android.graphics.Color)	4294061314 (0xFFFF22D02)
YUV	99.0010, -47.8215, 125.4101
Hunter-Lab	45.5614, 67.4658, 29.1806

Details

The Yxy color **20.7584, 0.6219, 0.3436** 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 **47.2955, 0.2085, 0.2702**, and the grayscale version is **12.5738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7488, 0.5377, 0.3695**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.6316, 0.6236, 0.3431**, and if you desaturate by 10%, it is **22.7188, 0.5976, 0.3509**.

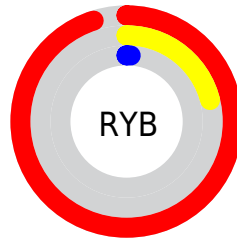
Distribution



Red (95%)

Green (18%)

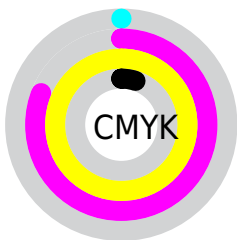
Blue (1%)



Red (95%)

Yellow (21%)

Blue (1%)

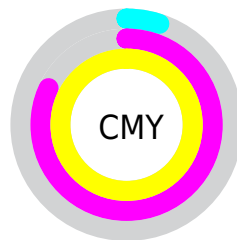


Cyan (0%)

Magenta (81%)

Yellow (99%)

Black (5%)



Cyan (5%)


Magenta (82%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7584, 0.6219, 0.3436 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 20.7584, 0.6219, 0.3436 by changing the saturation by 10% instead.


 20.7584, 0.6219,
0.3436


 20.7584, 0.6219,
0.3436


 255.9917, 0.4628,
0.3622


 12.9475, 0.6558,
0.3288


 44.6851, 0.5674,
0.3583


 7.3924, 0.6948,
0.3052


 61.5697, 0.5455,
0.3614


 3.7087, 0.7334,
0.2666

 82.2477, 0.5266,
0.3630

 1.5120, 0.7874,
0.2126

 107.1034, 0.5103,
0.3637

 0.2971, 0.8989,
0.1011

 136.5213, 0.4960,
0.3638


 0.0000, 1.0000,
0.0000

 170.8857, 0.4835,

 0.0000, 0.0000,


0.3635

0.0000

 210.5810, 0.4725,
0.3629


 20.7584, 0.6219,
0.3436

 20.7584, 0.6219,
0.3436


 20.6316, 0.6236,
0.3431

 22.7188, 0.5976,
0.3509

 25.5666, 0.5626,
0.3557

 29.4020, 0.5212,
0.3573

 34.3072, 0.4786,
0.3559

 40.3557, 0.4388,
0.3526

■ 47.6140, 0.4036,
0.3480

■ 56.1437, 0.3737,
0.3430

■ 66.0020, 0.3488,
0.3380

■ 77.2427, 0.3283,
0.3332

Harmonies

Analogous

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



20.7584, 0.5742, 0.2644



20.7584, 0.6219, 0.3436



20.7584, 0.5570, 0.4430

Triad

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



20.7584, 0.6219, 0.3436



20.7584, 0.1754, 0.5610



20.7584, 0.1381, 0.1185

Complementary

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



20.7584, 0.6219, 0.3436



47.2955, 0.2085, 0.2702

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.



20.7584, 0.0897, 0.1286



20.7584, 0.6219, 0.3436



20.7584, 0.0986, 0.3256

Square

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



20.7584, 0.6219, 0.3436



20.7584, 0.2970, 0.6568



20.7584, 0.0766, 0.1832



20.7584, 0.2402, 0.1394

Rectangle

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



20.7584, 0.6219, 0.3436



20.7584, 0.4767, 0.5233



20.7584, 0.0766, 0.1832



20.7584, 0.1172, 0.1182

Sweetspot

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



20.7597, 0.6219, 0.3436



62.2794, 0.3763, 0.3435



23.1889, 0.3685, 0.1806



12.4351, 0.3885, 0.3456



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.



20.7597, 0.6219, 0.3436



23.1867, 0.6239, 0.3428



44.7307, 0.4938, 0.4457



16.2163, 0.3289, 0.3333



11.2214, 0.6213, 0.3449



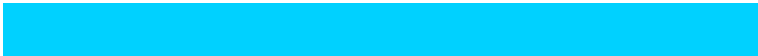
1.0617, 0.5978, 0.3636

Inverse Universe

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



47.2955, 0.2085, 0.2702



52.9932, 0.2082, 0.2695



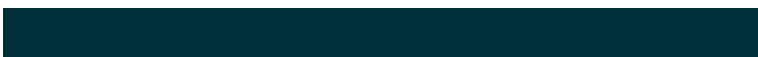
12.4616, 0.1631, 0.1066



17.4195, 0.2981, 0.3247



25.4911, 0.2086, 0.2708



2.2450, 0.2109, 0.2793

Previews

White Background



This preview shows how the Yxy color 20.7584, 0.6219, 0.3436 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 20.7584, 0.6219, 0.3436 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 20.7584, 0.6219, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 20.7584, 0.6219, 0.3436.



This preview shows how white text looks on a background with the Yxy color 20.7584, 0.6219, 0.3436.

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

20.7584, 0.6219, 0.3436

Protanopia

21.0182, 0.4291, 0.4755

Deuteranopia

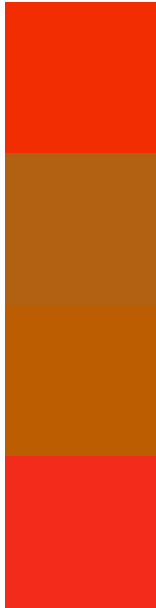
20.8039, 0.4698, 0.4651



Tritanopia

20.6933, 0.6042, 0.3304

Trichromacy



Original Color

20.7584, 0.6219, 0.3436

Protanomaly

18.0614, 0.5204, 0.4131

Deuteranomaly

18.6497, 0.5430, 0.4066

Tritanomaly

20.6841, 0.6136, 0.3368

Monochromacy



Original Color

20.7584, 0.6219, 0.3436

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5414, 0.4653, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7584, 0.6219, 0.3436 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, 45, 2)` looks like.

```
.text, #text, p{  
    color:rgb(242, 45, 2)  
}
```

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, 45, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 45, 2) }
```

Border

The CSS property to change the border of an element to Yxy 20.7584, 0.6219, 0.3436 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, 45, 2) }
```

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

```
.border{ border-color:rgb(242, 45, 2) }
```

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

Here you see how a box with a 4 pixel rgb(242, 45, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 45, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 45, 2);  
box-shadow:4px 4px 4px 4px rgb(242, 45, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7584, 0.6219, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 45, 2) }
```

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

```
.background{ background-color: rgb(242, 45,  
2) }
```

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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