

Converting Colors

$Y_{xy}(21.9746, 0.6135, 0.3468)$

Have a look what the booklet for
Yxy(21.9746, 0.6135, 0.3468)
contains.

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Color

Yxy(22.0750, 0.6135, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	F5360B
RGB	245, 54, 11
RGB Percent	96%, 21%, 4%
CMY	0.0392, 0.7883, 0.9568
CMYK	0.00, 0.78, 0.96, 0.04
HSL	11°, 92%, 50%
HSV	11°, 96%, 96%
XYZ	39.0401, 22.0750, 2.5199
YIQ	106.2070, 127.6390, 27.1190

Conversions

Conversions Part 2

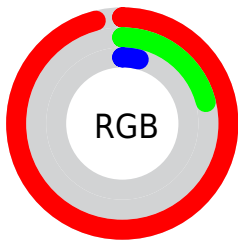
Format	Color
R_{YB}	245, 64, 11
Decimal	16070155
CIE _{Lab}	54.11, 69.49, 63.88
CIE _{LCh}	54, 94.389, 42.590
Yxy	22.0750, 0.6135, 0.3469
Android (android.graphics.Color)	4294260235 (0xFFFF5360B)
YUV	106.2070, -46.9371, 121.7215
Hunter-Lab	46.9840, 66.0976, 29.7089

Details

The Yxy color **22.0750, 0.6135, 0.3469** 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 **48.9230, 0.2091, 0.2710**, and the grayscale version is **14.5765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3759, 0.5270, 0.3729**, and **9.5837, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2921, 0.6229, 0.3436**, and if you desaturate by 10%, it is **24.4354, 0.5852, 0.3538**.

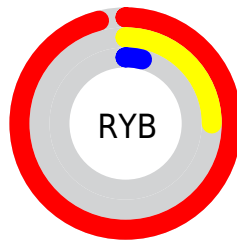
Distribution



Red (96%)

Green (21%)

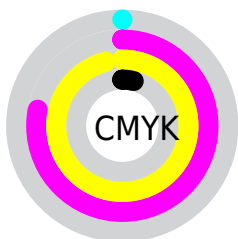
Blue (4%)



Red (96%)

Yellow (25%)

Blue (4%)

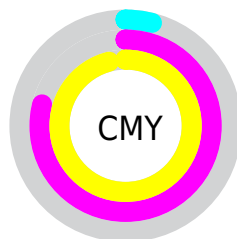


Cyan (0%)

Magenta (78%)

Yellow (96%)

Black (4%)



Cyan (4%)


Magenta (79%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0750, 0.6135, 0.3469 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 22.0750, 0.6135, 0.3469 by changing the saturation by 10% instead.


 22.0750, 0.6135,
0.3469


 22.0750, 0.6135,
0.3469


262.9377, 0.4589,
0.3621


 13.9120, 0.6463,
0.3333


 46.8699, 0.5603,
0.3598


 8.0595, 0.6870,
0.3130


 64.2707, 0.5390,
0.3624

 4.1330, 0.7237,
0.2763

 85.5194, 0.5207,
0.3636

 1.7483, 0.7748,
0.2252

 111.0006, 0.5049,
0.3640

 0.4546, 0.8643,
0.1357

 141.0987, 0.4911,
0.3639

 0.0000, 1.0000,
0.0000


 176.1979, 0.4790,


 0.0000, 0.0000,


0.3635

0.0000

 216.6828, 0.4684,
0.3628

 22.0750, 0.6135,
0.3469

 22.0750, 0.6135,
0.3469


 21.2921, 0.6229,
0.3436

 24.4354, 0.5852,
0.3538

 27.7448, 0.5473,
0.3575

 32.0956, 0.5050,
0.3578

 37.5673, 0.4633,
0.3556

 44.2316, 0.4251,
0.3516

■ 52.1541, 0.3920,
0.3467

■ 61.3955, 0.3640,
0.3415

■ 72.0126, 0.3409,
0.3364

■ 84.0588, 0.3218,
0.3315

Harmonies

Analogous

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



22.0750, 0.5656, 0.2678



22.0750, 0.6135, 0.3469



22.0750, 0.5516, 0.4439

Triad

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



22.0750, 0.6135, 0.3469



22.0750, 0.1807, 0.5498



22.0750, 0.1427, 0.1232

Complementary

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



22.0750, 0.6135, 0.3469



48.9230, 0.2091, 0.2710

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.



22.0750, 0.0945, 0.1334



22.0750, 0.6135, 0.3469



22.0750, 0.1042, 0.3264

Square

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



22.0750, 0.6135, 0.3469



22.0750, 0.3008, 0.6452



22.0750, 0.0815, 0.1879



22.0750, 0.2434, 0.1440

Rectangle

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



22.0750, 0.6135, 0.3469



22.0750, 0.4767, 0.5233



22.0750, 0.0815, 0.1879



22.0750, 0.1219, 0.1230

Sweetspot

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



22.0764, 0.6135, 0.3469



63.4637, 0.3734, 0.3433



23.9244, 0.3716, 0.1835



12.6674, 0.3855, 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.



22.0764, 0.6135, 0.3469



23.2798, 0.6232, 0.3434



48.5322, 0.4852, 0.4505



16.9747, 0.3289, 0.3334



11.6128, 0.6206, 0.3454



1.1533, 0.5983, 0.3632

Inverse Universe

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



48.9230, 0.2091, 0.2710



52.4127, 0.2078, 0.2679



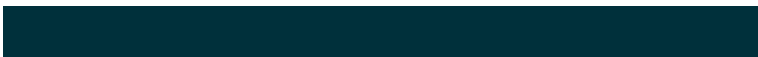
13.1788, 0.1644, 0.1090



18.2099, 0.2980, 0.3245



25.9954, 0.2081, 0.2691



2.4161, 0.2104, 0.2774

Previews

White Background



This preview shows how the Yxy color 22.0750, 0.6135, 0.3469 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 22.0750, 0.6135, 0.3469 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 22.0750, 0.6135, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 22.0750, 0.6135, 0.3469.



This preview shows how white text looks on a background with the Yxy color 22.0750, 0.6135, 0.3469.

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

22.0750, 0.6135, 0.3469

Protanopia

22.1805, 0.4288, 0.4733

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.1995, 0.5911, 0.3298

Trichromacy



Original Color

22.0750, 0.6135, 0.3469

Protanomaly

19.5138, 0.5142, 0.4145

Deuteranomaly

20.0816, 0.5377, 0.4093

Tritanomaly

22.1762, 0.6030, 0.3381

Monochromacy



Original Color

22.0750, 0.6135, 0.3469

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4394, 0.4537, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0750, 0.6135, 0.3469 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(245, 54, 11)` looks like.

```
.text, #text, p{  
    color:rgb(245, 54, 11)  
}
```

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(245, 54, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 54, 11) }
```

Border

The CSS property to change the border of an element to Yxy 22.0750, 0.6135, 0.3469 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(245, 54, 11) }
```

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

```
.border{ border-color:rgb(245, 54, 11) }
```

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

Here you see how a box with a 4 pixel rgb(245, 54, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 54, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 54, 11);  
box-shadow:4px 4px 4px 4px rgb(245, 54,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0750, 0.6135, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 54, 11) }
```

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

```
.background{ background-color: rgb(245, 54,  
11) }
```

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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