

Converting Colors

$Y_{xy}(15.6724, 0.4456, 0.4561)$

Have a look what the booklet for
Yxy(15.6724, 0.4456, 0.4561)
contains.

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Color

Yxy(15.6724, 0.4456, 0.4561)

Conversions

Conversions Part 1

Format	Color
Hex	866B1D
RGB	134, 107, 29
RGB Percent	53%, 42%, 11%
CMY	0.4745, 0.5804, 0.8864
CMYK	0.00, 0.20, 0.78, 0.47
HSL	45°, 64%, 32%
HSV	45°, 78%, 53%
XYZ	15.3116, 15.6724, 3.3778
YIQ	106.1810, 41.1300, -18.5340

Conversions

Conversions Part 2

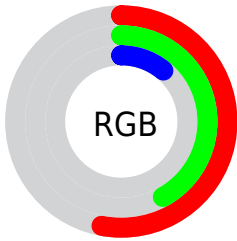
Format	Color
RYB	65, 134, 29
Decimal	8809245
CIELab	46.54, 2.48, 44.99
CIELCh	47, 45.057, 86.841
Yxy	15.6724, 0.4456, 0.4561
Android (android.graphics.Color)	4286999325 (0xFF866B1D)
YUV	106.1810, -38.0502, 24.3973
Hunter-Lab	39.5884, -0.2412, 22.6531

Details

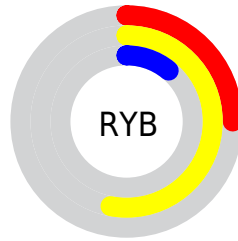
The Yxy color **15.6724, 0.4456, 0.4561** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8074, 0.1820, 0.1406**, and the grayscale version is **14.5628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9654, 0.4184, 0.4316**, and **4.9810, 0.4687, 0.4661** is the 20% darker color. If you saturate the color by 10%, you get **14.9166, 0.4589, 0.4616**, and if you desaturate by 10%, it is **16.4872, 0.4299, 0.4463**.

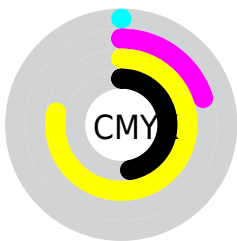
Distribution



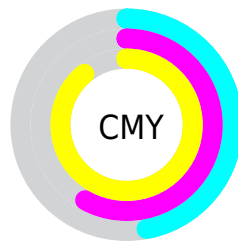
- Red (53%)
- Green (42%)
- Blue (11%)



- Red (25%)
- Yellow (53%)
- Blue (11%)



- Cyan (0%)
- Magenta (20%)
- Yellow (78%)
- Black (47%)




- Cyan (47%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6724, 0.4456, 0.4561 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 15.6724, 0.4456, 0.4561 by changing the saturation by 10% instead.


 15.6724, 0.4456,
0.4561


 15.6724, 0.4456,
0.4561

 227.4008, 0.3724,
0.3874


 9.2926, 0.4630,
0.4715


 36.0285, 0.4185,
0.4313


 4.9325, 0.4947,
0.4999

 50.7737, 0.4083,
0.4217


 2.2077, 0.5005,
0.4995

 69.0761, 0.3998,
0.4136

 0.7242, 0.5084,
0.4916


 91.3202, 0.3925,
0.4067

 0.0000, 0.0000,
0.0000


 117.8903, 0.3864,
0.4008


 149.1708, 0.3811,


0.3957


 185.5462, 0.3764,
0.3913


 15.6724, 0.4456,
0.4561


 15.6724, 0.4456,
0.4561


 14.9166, 0.4589,
0.4616


 16.4872, 0.4299,
0.4463


 14.2093, 0.4700,
0.4633

 17.3624, 0.4126,
0.4330

 14.0983, 0.4718,
0.4636

 18.3020, 0.3944,
0.4170

 19.3088, 0.3761,
0.3993

 20.3853, 0.3582,
0.3807

■ 21.5342, 0.3411,
0.3620

■ 22.7576, 0.3251,
0.3438

■ 24.0578, 0.3104,
0.3262

■ 25.4367, 0.2970,
0.3097

Harmonies

Analogous

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



15.6724, 0.4875, 0.3945



15.6724, 0.4456, 0.4561



15.6724, 0.3719, 0.4951

Triad

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



15.6724, 0.4456, 0.4561



15.6724, 0.1715, 0.2929



15.6724, 0.3180, 0.2259

Complementary

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



15.6724, 0.4456, 0.4561



4.8074, 0.1820, 0.1406

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.



15.6724, 0.2365, 0.2000



15.6724, 0.4456, 0.4561



15.6724, 0.1624, 0.2278

Square

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



15.6724, 0.4456, 0.4561



15.6724, 0.2143, 0.3899



15.6724, 0.1840, 0.1991



15.6724, 0.4108, 0.2720

Rectangle

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



15.6724, 0.4456, 0.4561



15.6724, 0.3154, 0.4902



15.6724, 0.1840, 0.1991



15.6724, 0.2882, 0.2147

Sweetspot

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



15.6732, 0.4456, 0.4561



36.6782, 0.3515, 0.3735



6.2410, 0.5064, 0.2870



8.1267, 0.3567, 0.3792



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.6732, 0.4456, 0.4561



25.3184, 0.4672, 0.4627



20.4239, 0.3794, 0.5126



5.2258, 0.3263, 0.3451



13.2281, 0.4716, 0.4637



0.0576, 0.4432, 0.4863

Inverse Universe

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



4.8074, 0.1820, 0.1406



5.5835, 0.1631, 0.1017



3.3680, 0.1920, 0.1037



4.7249, 0.2992, 0.3124



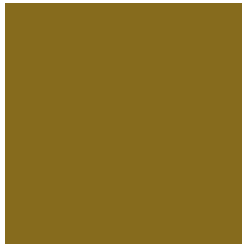
2.7251, 0.1597, 0.0948



0.0198, 0.1805, 0.1696

Previews

White Background



This preview shows how the Yxy color 15.6724, 0.4456, 0.4561 looks on a white background.

Color Contrast Check

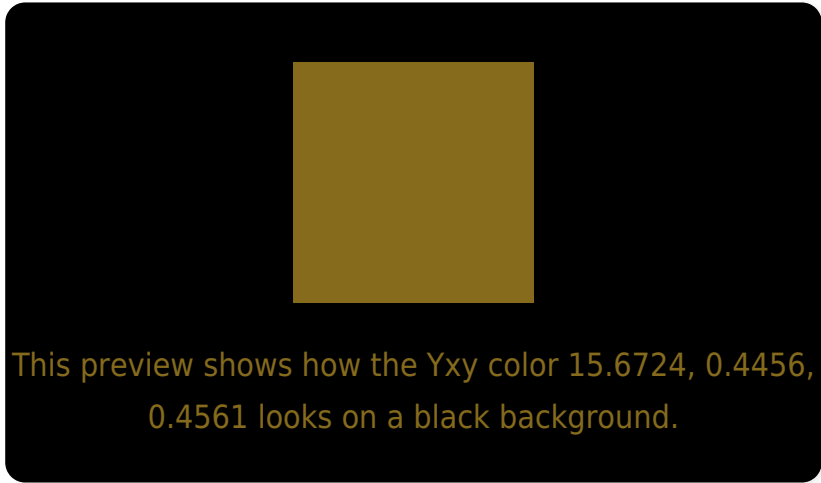
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

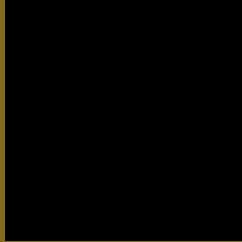
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.6724, 0.4456, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 15.6724, 0.4456, 0.4561.



This preview shows how white text looks on a background with the Yxy color 15.6724, 0.4456, 0.4561.

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

15.6724, 0.4456, 0.4561

Protanopia

15.7477, 0.4248, 0.4701

Deuteranopia

15.6859, 0.4548, 0.4477



Tritanopia

15.6648, 0.3607, 0.3164

Trichromacy



Original Color

15.6724, 0.4456, 0.4561

Protanomaly

15.8348, 0.4320, 0.4650

Deuteranomaly

15.7202, 0.4505, 0.4510

Tritanomaly

15.5834, 0.3976, 0.3738

Monochromacy



Original Color

15.6724, 0.4456, 0.4561

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5711, 0.3652, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6724, 0.4456, 0.4561 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(134, 107, 29)` looks like.

```
.text, #text, p{  
    color:rgb(134, 107, 29)  
}
```

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(134, 107, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 107, 29) }
```

Border

The CSS property to change the border of an element to Yxy 15.6724, 0.4456, 0.4561 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(134, 107, 29) }
```

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

```
.border{ border-color:rgb(134, 107, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 107, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 107, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 107, 29);  
box-shadow:4px 4px 4px 4px rgb(134, 107,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6724, 0.4456, 0.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 107, 29) }
```

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

```
.background{ background-color: rgb(134,  
107, 29) }
```

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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