

Converting Colors

Yxy(69.6467, 0.4510, 0.4801)

Have a look what the booklet for
Yxy(69.6467, 0.4510, 0.4801)
contains.

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Color

Yxy(69.8609, 0.4507, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	FFD700
RGB	255, 215, 0
RGB Percent	100%, 84%, 0%
CMY	0.0000, 0.1568, 1.0000
CMYK	0.00, 0.16, 1.00, 0.00
HSL	51°, 100%, 50%
HSV	51°, 100%, 100%
XYZ	65.5419, 69.8609, 10.0196
YIQ	202.4500, 92.8550, -58.3850

Conversions

Conversions Part 2

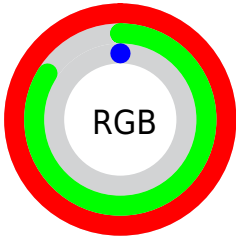
Format	Color
RYB	47, 255, 0
Decimal	16766720
CIELab	86.93, -1.92, 87.17
CIELCh	87, 87.190, 91.263
Yxy	69.8609, 0.4507, 0.4804
Android (android.graphics.Color)	4294956800 (0xFFFFD700)
YUV	202.4500, -99.8078, 46.0864
Hunter-Lab	83.5828, -6.2984, 51.4005

Details

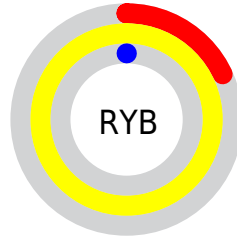
The Yxy color **69.8609, 0.4507, 0.4804** is a light color, and the websafe version is hex **FFCC00**, and the color name is **gold**. The color can be described as light saturated yellow. A complement of this color would be **8.7373, 0.1531, 0.0711**, and the grayscale version is **59.9533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **36.8272, 0.4521, 0.4793** is the 20% darker color. If you saturate the color by 10%, you get **69.8631, 0.4507, 0.4804**, and if you desaturate by 10%, it is **71.9975, 0.4448, 0.4797**.

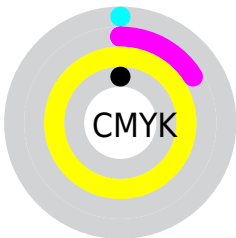
Distribution



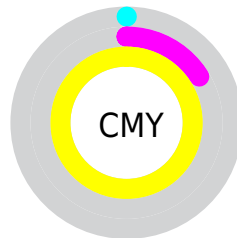
- Red (100%)
- Green (84%)
- Blue (0%)



- Red (18%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8609, 0.4507, 0.4804 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 69.8609, 0.4507, 0.4804 by changing the saturation by 10% instead.


 69.8609, 0.4507,
0.4804


 69.8609, 0.4507,
0.4804


460.0614, 0.3964,
0.4199


 51.4131, 0.4592,
0.4902


 119.0104, 0.4348,
0.4625


 36.5375, 0.4676,
0.5000


 150.4809, 0.4277,
0.4545


 24.8496, 0.4751,
0.5092


 187.0611, 0.4212,
0.4473

 15.9650, 0.4820,
0.5180

 229.1354, 0.4153,
0.4408

 9.4994, 0.4810,
0.5190

 277.0882, 0.4099,
0.4348

 5.0683, 0.4795,
0.5205

 331.3038, 0.4050,

 2.2874, 0.4771,

0.4294

0.5229

392.1668, 0.4005,
0.4244

■ 0.7670, 0.4707,
0.5293

■ 0.0000, 0.0000,
0.0000

■ 69.8609, 0.4507,
0.4804

■ 69.8609, 0.4507,
0.4804

■ 69.8631, 0.4507,
0.4804

■ 71.9975, 0.4448,
0.4797

■ 74.2763, 0.4363,
0.4750

■ 76.7286, 0.4249,
0.4656

■ 79.3726, 0.4111,
0.4518

■ 82.2233, 0.3954,
0.4346

■ 85.2939, 0.3786,
0.4148

■ 88.5965, 0.3614,
0.3935

■ 92.1417, 0.3444,
0.3716

■ 95.9398, 0.3281,
0.3499

Harmonies

Analogous

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



69.8609, 0.5093, 0.4087



69.8609, 0.4507, 0.4804



69.8609, 0.3621, 0.5261

Triad

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



69.8609, 0.4507, 0.4804



69.8609, 0.1480, 0.2703



69.8609, 0.3337, 0.2179

Complementary

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



69.8609, 0.4507, 0.4804



8.7373, 0.1531, 0.0711

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.



69.8609, 0.2360, 0.1855



69.8609, 0.4507, 0.4804



69.8609, 0.1442, 0.2043

Square

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



69.8609, 0.4507, 0.4804



69.8609, 0.1884, 0.3820



69.8609, 0.1728, 0.1794



69.8609, 0.4422, 0.2716

Rectangle

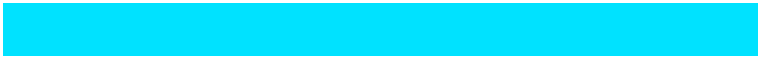
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8609, 0.4507, 0.4804



69.8609, 0.2976, 0.5158



69.8609, 0.1728, 0.1794



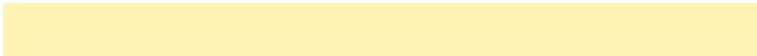
69.8609, 0.2981, 0.2044

Sweetspot

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



69.8631, 0.4507, 0.4804



88.5965, 0.3614, 0.3935



21.4308, 0.6193, 0.3186



18.6590, 0.3687, 0.4026



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.



69.8631, 0.4507, 0.4804



80.0660, 0.3607, 0.5518



20.5768, 0.3273, 0.3489



36.6872, 0.4501, 0.4808



3.6969, 0.4460, 0.4841

Inverse Universe

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



8.7373, 0.1531, 0.0711



9.1513, 0.1727, 0.0725



17.8376, 0.2979, 0.3083



4.7010, 0.1536, 0.0730



0.5844, 0.1584, 0.0901

Previews

White Background



This preview shows how the Yxy color 69.8609, 0.4507, 0.4804 looks on a white background.

Color Contrast Check

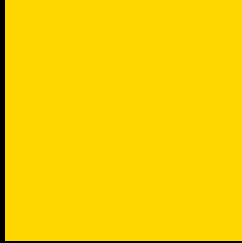
Large Text (above 18pt) WCAG AA × Fail

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 69.8609, 0.4507, 0.4804 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 ✓ Pass

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

Yxy 69.8609, 0.4507, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 69.8609, 0.4507, 0.4804.



This preview shows how white text looks on a background with the Yxy color 69.8609, 0.4507, 0.4804.

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

69.8609, 0.4507, 0.4804

Protanopia

69.7532, 0.4407, 0.4870

Deuteranopia

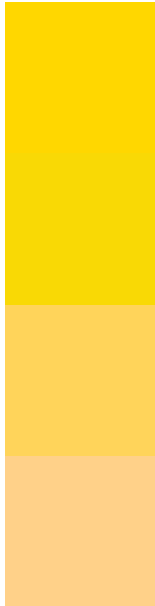
69.8015, 0.3975, 0.3997



Tritanopia

69.8805, 0.3433, 0.3179

Trichromacy



Original Color

69.8609, 0.4507, 0.4804

Protanomaly

69.7764, 0.4440, 0.4848

Deuteranomaly

69.0852, 0.4293, 0.4451

Tritanomaly

68.6671, 0.4020, 0.4027

Monochromacy



Original Color

69.8609, 0.4507, 0.4804

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.5828, 0.3806, 0.4179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8609, 0.4507, 0.4804 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(255, 215, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 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(255, 215, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.8609, 0.4507, 0.4804 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(255, 215, 0) }
```

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

```
.border{ border-color:rgb(255, 215, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 69.8609, 0.4507, 0.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 0) }
```

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

```
.background{ background-color: rgb(255,  
215, 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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