

Converting Colors

XYZ(76.6584, 88.6446, 24.3790)

Have a look what the booklet for
XYZ(76.6584, 88.6446, 24.3790)
contains.

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Color

**XYZ(76.6584, 88.6446,
24.3790)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF761
RGB	255, 247, 97
RGB Percent	100%, 97%, 38%
CMY	0.0000, 0.0313, 0.6196
CMYK	0.00, 0.03, 0.62, 0.00
HSL	57°, 100%, 69%
HSV	57°, 62%, 100%
XYZ	76.6584, 88.6446, 24.3790
YIQ	232.2920, 52.9180, -44.9540

Conversions

Conversions Part 2

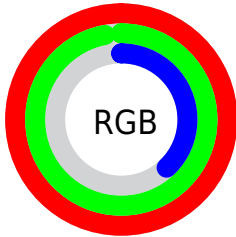
Format	Color
R_{YB}	105, 255, 97
Decimal	16775009
CIE _{Lab}	95.43, -14.89, 70.68
CIE _{LCh}	95, 72.229, 101.897
Yxy	88.6446, 0.4041, 0.4673
Android (android.graphics.Color)	4294965089 (0xFFFFF761)
YUV	232.2920, -66.6990, 19.9149
Hunter-Lab	94.1513, -19.4292, 50.5537

Details

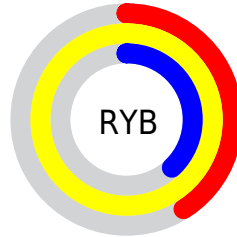
The XYZ color **76.6584, 88.6446, 24.3790** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.0314, 19.8641, 96.9639**, and the grayscale version is **77.3792, 81.4089, 88.6543**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **41.4549, 48.9911, 8.9404** is the 20% darker color. If you saturate the color by 10%, you get **75.2630, 87.4607, 18.9613**, and if you desaturate by 10%, it is **78.4427, 89.9950, 31.8130**.

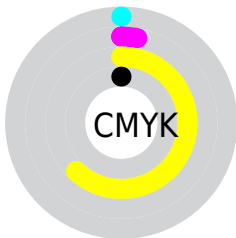
Distribution



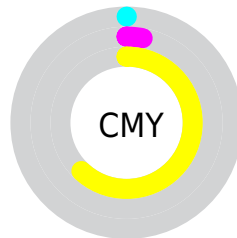
- Red (100%)
- Green (97%)
- Blue (38%)



- Red (41%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (3%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6584, 88.6446, 24.3790 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 XYZ color 76.6584, 88.6446, 24.3790 by changing the saturation by 10% instead.


 76.6584, 88.6446,
24.3790


 76.6584, 88.6446,
24.3790


472.5084,
523.6119, 288.0790

 57.2715, 66.8570,
15.4002


 127.6326,
145.4542, 51.5995


 41.4642, 48.9685,
8.9510


 159.9506,
181.2451, 70.6783

 28.8713, 34.5945,
4.6129


 197.3096,
222.4725, 93.9609

 19.1273, 23.3506,
1.9672

 240.0751,
269.5209, 121.8658

 11.8668, 14.8526,
0.5350

288.6123,
322.7746, 154.8115

 6.7246, 8.7160,
0.0000

343.2867,

 3.3353, 4.5564,

382.6181, 193.2166

0.0000

404.4636,
449.4357, 237.4996

■ 1.3334, 1.9894,
0.0000

■ 0.2080, 0.6013,
0.0000

■ 76.6584, 88.6446,
24.3790

■ 76.6584, 88.6446,
24.3790

■ 75.2630, 87.4607,
18.9613

■ 78.4427, 89.9950,
31.8130

■ 74.2123, 86.4158,
15.3537

■ 80.6427, 91.5128,
41.4321

■ 73.4621, 85.4954,
13.3160

■ 83.2901, 93.2139,
53.3937

■ 73.0216, 84.8235,
12.5239

■ 86.4118, 95.1091,
67.8388

90.0324, 97.2083,
84.8978

94.1749, 99.5207,
104.6916

95.0497, 99.9999,
108.9000

Harmonies

Analogous

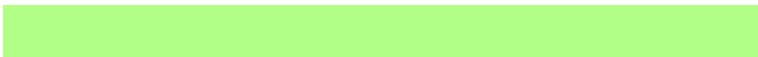
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6254, 88.6446, 25.6182



76.6584, 88.6446, 24.3790



61.3345, 88.6446, 36.0496

Triad

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



76.6584, 88.6446, 24.3790



59.0098, 88.6446, 188.9932



125.7934, 88.6446, 134.4497

Complementary

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



76.6584, 88.6446, 24.3790



28.0314, 19.8641, 96.9639

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.



112.2718, 88.6446, 202.3385



76.6584, 88.6446, 24.3790



72.9864, 88.6446, 241.3691

Square

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



76.6584, 88.6446, 24.3790



52.2645, 88.6446, 120.7450



92.3355, 88.6446, 247.0325



127.1899, 88.6446, 75.7714

Rectangle

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



76.6584, 88.6446, 24.3790



54.9758, 88.6446, 53.7849



92.3355, 88.6446, 247.0325



122.4278, 88.6446, 157.4155

Sweetspot

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



76.6605, 88.6487, 24.3808



87.4306, 95.7092, 72.6091



48.1970, 30.8829, 17.4794



18.5029, 20.3616, 14.5536



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



76.6605, 88.6487, 24.3808



75.0223, 87.2369, 18.0851



58.2975, 82.8889, 24.2369



19.4779, 20.9239, 19.1565



38.1899, 44.3910, 6.5555



3.7416, 4.3686, 0.6460

Inverse Universe

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



28.0314, 19.8641, 96.9639



22.8909, 13.5363, 96.0140



37.9397, 23.8199, 97.2052



17.0767, 17.5250, 22.7326



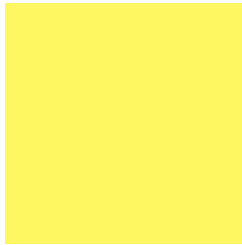
9.5365, 3.9826, 49.7007



0.9533, 0.4373, 4.8474

Previews

White Background



This preview shows how the XYZ color 76.6584, 88.6446, 24.3790 looks on a white background.

Color Contrast Check

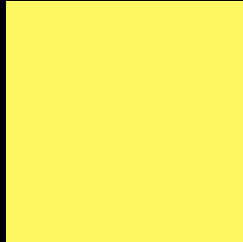
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.6584, 88.6446, 24.3790 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](#).

XYZ 76.6584, 88.6446, 24.3790

Background



This preview shows how black text looks on a background with the XYZ color 76.6584, 88.6446, 24.3790.



This preview shows how white text looks on a background with the XYZ color 76.6584, 88.6446,

Color Blindness Simulation

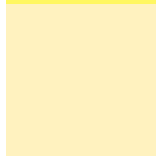
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



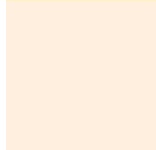
Original Color

76.6584, 88.6446, 24.3790



Protanopia

82.3961, 88.5258, 62.0347



Deuteranopia

85.2913, 88.2669, 81.6491



Tritanopia

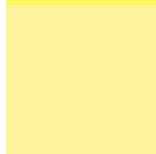
88.0056, 88.4209, 98.8148

Trichromacy



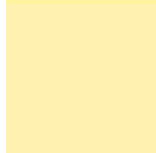
Original Color

76.6584, 88.6446, 24.3790



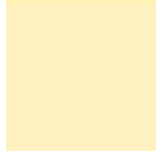
Protanomaly

79.6765, 88.3957, 44.7610



Deuteranomaly

80.9279, 87.9386, 54.3035



Tritanomaly

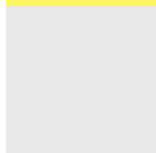
82.0993, 87.9322, 61.9357

Monochromacy



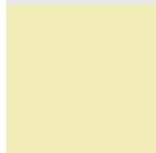
Original Color

76.6584, 88.6446, 24.3790



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.7666, 82.5125, 56.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6584, 88.6446, 24.3790 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, 247, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 97)  
}
```

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, 247, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 97) }
```

Border

The CSS property to change the border of an element to XYZ 76.6584, 88.6446, 24.3790 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, 247, 97) }
```


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

```
.border{ border-color:rgb(255, 247, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6584, 88.6446, 24.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 97) }
```

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

```
.background{ background-color: rgb(255,  
247, 97) }
```

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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