

Converting Colors

XYZ(74.6145, 84.1718, 24.8846)

Have a look what the booklet for
XYZ(74.6145, 84.1718, 24.8846)
contains.

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Color

**XYZ(74.5048, 83.9523,
24.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF66
RGB	255, 239, 102
RGB Percent	100%, 94%, 40%
CMY	0.0000, 0.0627, 0.6000
CMYK	0.00, 0.06, 0.60, 0.00
HSL	54°, 100%, 70%
HSV	54°, 60%, 100%
XYZ	74.5048, 83.9523, 24.8480
YIQ	228.1660, 53.5130, -39.2150

Conversions

Conversions Part 2

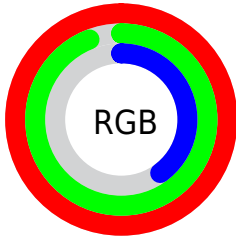
Format	Color
R _Y B	120, 255, 102
Decimal	16772966
CIE Lab	93.43, -10.66, 66.45
CIE LCh	93, 67.302, 99.115
Yxy	83.9523, 0.4065, 0.4580
Android (android.graphics.Color)	4294963046 (0xFFFFEF66)
YUV	228.1660, -62.1998, 23.5334
Hunter-Lab	91.6255, -15.1982, 48.0589

Details

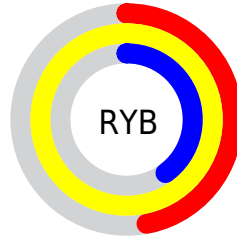
The XYZ color **74.5048, 83.9523, 24.8480** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.0080, 23.0012, 97.4654**, and the grayscale version is **74.2800, 78.1483, 85.1035**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **39.9128, 45.6585, 9.1920** is the 20% darker color. If you saturate the color by 10%, you get **72.6557, 81.9763, 18.9234**, and if you desaturate by 10%, it is **76.7582, 86.1147, 32.8276**.

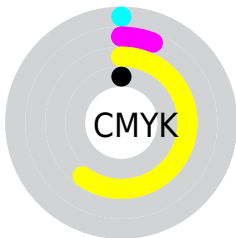
Distribution



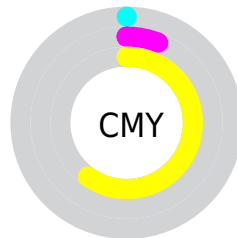
- Red (100%)
- Green (94%)
- Blue (40%)



- Red (47%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (6%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.5048, 83.9523, 24.8480 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 74.5048, 83.9523, 24.8480 by changing the saturation by 10% instead.


 74.5048, 83.9523,
24.8480


 74.5048, 83.9523,
24.8480


465.2372,
508.1548, 290.5035


 55.5000, 62.9761,
15.7459


 124.6028,
138.9084, 52.3716


 40.0376, 45.8218,
9.1921


 156.4268,
173.6571, 71.6301

 27.7522, 32.1053,
4.7682


 193.2545,
213.7654, 95.1112

 18.2785, 21.4419,
2.0555

 235.4513,
259.6177, 123.2333

 11.2510, 13.4474,
0.5891

283.3827,
311.5984, 156.4151

 6.3045, 7.7373,
0.0000

337.4139,

 3.0735, 3.9273,

370.0919, 195.0750

0.0000

397.9103,
435.4826, 239.6317

■ 1.1927, 1.6330,
0.0000

■ 0.1006, 0.3797,
0.0000

■ 74.5048, 83.9523,
24.8480

■ 74.5048, 83.9523,
24.8480

■ 72.6557, 81.9763,
18.9234

■ 76.7582, 86.1147,
32.8276

■ 71.1680, 80.1601,
14.8539


■ 79.4424, 88.4648,
43.0271


■ 69.9995, 78.4898,
12.4092

■ 82.5882, 91.0181,
55.6007

■ 69.0781, 76.9365,
11.2095

■ 86.2222, 93.7853,
70.6872

 69.0780, 76.9362,
11.2094

 90.3687, 96.7763,
88.4149

95.0498, 99.9999,
108.9000

95.0498, 99.9999,
108.9000

Harmonies

Analogous

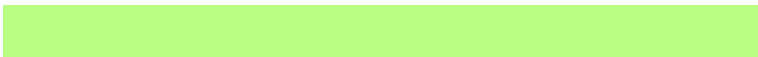
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6009, 83.9523, 27.0911



74.5048, 83.9523, 24.8480



60.1272, 83.9523, 34.5796

Triad

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



74.5048, 83.9523, 24.8480



56.1182, 83.9523, 168.0530



116.1498, 83.9523, 130.9062

Complementary

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



74.5048, 83.9523, 24.8480



30.0080, 23.0012, 97.4654

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.



103.3406, 83.9523, 190.2531



74.5048, 83.9523, 24.8480



68.2262, 83.9523, 216.6481

Square

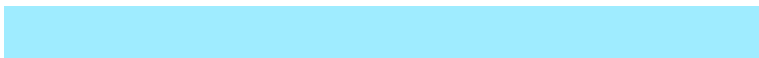
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.5048, 83.9523, 24.8480



50.5971, 83.9523, 107.7978



85.3281, 83.9523, 226.0097



118.4940, 83.9523, 76.7730

Rectangle

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



74.5048, 83.9523, 24.8480



53.9240, 83.9523, 49.8290



85.3281, 83.9523, 226.0097



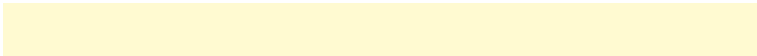
112.8432, 83.9523, 151.3801

Sweetspot

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



74.5068, 83.9562, 24.8497



87.0094, 94.3652, 74.0150



49.3729, 32.1160, 21.3195



18.3798, 20.0181, 14.8126



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.



74.5068, 83.9562, 24.8497



72.3304, 81.6005, 17.9670



61.0148, 84.2620, 25.6198



19.3895, 20.7471, 19.1270



36.1606, 40.3323, 5.8791



3.5655, 4.0164, 0.5873

Inverse Universe

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



30.0080, 23.0012, 97.4654



24.3843, 15.9874, 96.4084



37.4297, 24.2645, 97.3181



17.1558, 17.6832, 22.7589



9.6815, 4.2726, 49.7490



0.9906, 0.5120, 4.8599

Previews

White Background



This preview shows how the XYZ color 74.5048, 83.9523, 24.8480 looks on a white background.

Color Contrast Check

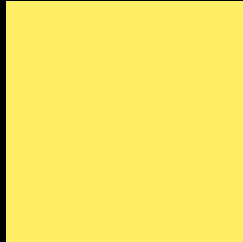
Large Text (above 18pt) WCAG AA × Fail

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 74.5048, 83.9523, 24.8480 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 74.5048, 83.9523, 24.8480

Background



This preview shows how black text looks on a background with the XYZ color 74.5048, 83.9523, 24.8480.

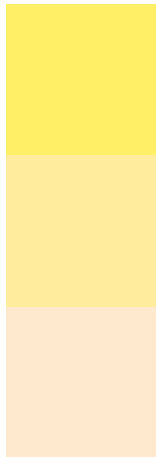


This preview shows how white text looks on a background with the XYZ color 74.5048, 83.9523,

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

74.5048, 83.9523, 24.8480

Protanopia

77.3213, 83.6852, 43.9759

Deuteranopia

81.5195, 83.9941, 70.3085



Tritanopia

84.8393, 83.5306, 93.3129

Trichromacy



Original Color

74.5048, 83.9523, 24.8480



Protanomaly

76.0395, 83.6345, 35.8023



Deuteranomaly

78.0162, 83.5038, 49.0517



Tritanomaly

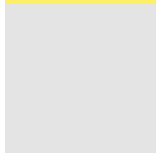
79.5642, 83.2119, 60.0121

Monochromacy



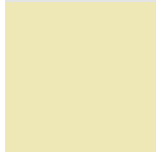
Original Color

74.5048, 83.9523, 24.8480



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

72.5600, 79.2678, 55.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5048, 83.9523, 24.8480 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, 239, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 102)  
}
```

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, 239, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 102) }
```

Border

The CSS property to change the border of an element to XYZ 74.5048, 83.9523, 24.8480 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, 239, 102) }
```


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

```
.border{ border-color:rgb(255, 239, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5048, 83.9523, 24.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 102) }
```

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

```
.background{ background-color: rgb(255,  
239, 102) }
```

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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