

Converting Colors

XYZ(82.1287, 89.3179, 20.0548)

Have a look what the booklet for
XYZ(82.1287, 89.3179, 20.0548)
contains.

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Color

**XYZ(74.3673, 85.3143,
19.7555)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF24E
RGB	255, 242, 78
RGB Percent	100%, 95%, 31%
CMY	0.0000, 0.0510, 0.6941
CMYK	0.00, 0.05, 0.69, 0.00
HSL	56°, 100%, 65%
HSV	56°, 69%, 100%
XYZ	74.3673, 85.3143, 19.7555
YIQ	227.1910, 60.3920, -48.2480

Conversions

Conversions Part 2

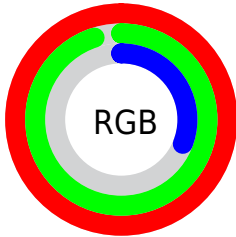
Format	Color
R _Y B	92, 255, 78
Decimal	16773710
CIE Lab	94.02, -13.48, 76.46
CIE LCh	94, 77.642, 100.000
Yxy	85.3143, 0.4144, 0.4755
Android (android.graphics.Color)	4294963790 (0xFFFFF24E)
YUV	227.1910, -73.5512, 24.3885
Hunter-Lab	92.3657, -17.9227, 51.9749

Details

The XYZ color **74.3673, 85.3143, 19.7555** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.9332, 16.3218, 96.4435**, and the grayscale version is **73.6428, 77.4780, 84.3735**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **40.0646, 46.7199, 6.9062** is the 20% darker color. If you saturate the color by 10%, you get **73.0709, 83.9120, 15.6543**, and if you desaturate by 10%, it is **76.0276, 86.8777, 25.7275**.

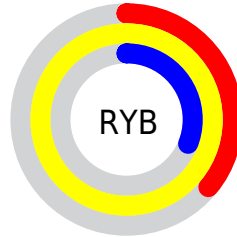
Distribution



Red (100%)

Green (95%)

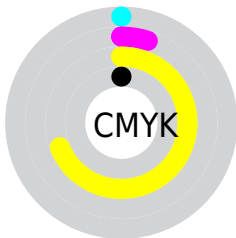
Blue (31%)



Red (36%)

Yellow (100%)

Blue (31%)

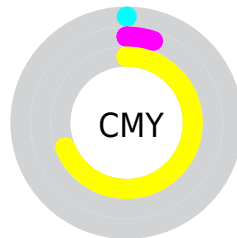


Cyan (0%)

Magenta (5%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.3673, 85.3143, 19.7555 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 74.3673, 85.3143, 19.7555 by changing the saturation by 10% instead.


 74.3673, 85.3143,
19.7555


 74.3673, 85.3143,
19.7555


464.7708,
512.6675, 263.1487


 55.3871, 64.1011,
12.0351


 124.4091,
140.8122, 43.8604


 39.9468, 46.7326,
6.6448


 156.2013,
175.8657, 61.0821

 27.6811, 32.8243,
3.1659


 192.9949,
216.3015, 82.3079

 18.2246, 21.9919,
1.1800

 235.1552,
262.5039, 107.9565

 11.2120, 13.8509,
0.0000

283.0476,
314.8572, 138.4463

 6.2780, 8.0171,
0.0000

337.0374,

 3.0571, 4.1059,

373.7461, 174.1959

0.0000

397.4901,
439.5547, 215.6239

■ 1.1840, 1.7330,
0.0000

■ 0.0937, 0.4449,
0.0000

■ 74.3673, 85.3143,
19.7555

■ 74.3673, 85.3143,
19.7555

■ 73.0709, 83.9120,
15.6543

■ 76.0276, 86.8777,
25.7275

■ 72.0888, 82.6414,
13.1892

■ 78.0825, 88.6049,
33.7579

■ 71.3562, 81.4796,
12.0095

■ 80.5661, 90.5127,
44.0175

■ 71.3161, 81.4125,
11.9554

■ 83.5072, 92.6127,
56.6578

■ 86.9320, 94.9155,
71.8168

■ 90.8648, 97.4307,
89.6223

95.0498, 99.9999,
108.9000

Harmonies

Analogous

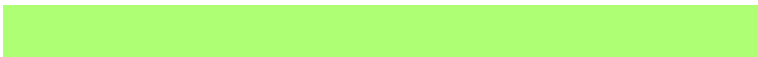
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4883, 85.3143, 21.6464



74.3673, 85.3143, 19.7555



58.0869, 85.3143, 30.0467

Triad

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



74.3673, 85.3143, 19.7555



54.2444, 85.3143, 187.1968



124.5695, 85.3143, 137.6233

Complementary

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



74.3673, 85.3143, 19.7555



24.9332, 16.3218, 96.4435

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.



109.4792, 85.3143, 210.5368



74.3673, 85.3143, 19.7555



68.2148, 85.3143, 246.5956

Square

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



74.3673, 85.3143, 19.7555



47.8491, 85.3143, 114.1413



88.2033, 85.3143, 256.5944



126.9773, 85.3143, 74.4599

Rectangle

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



74.3673, 85.3143, 19.7555



51.2553, 85.3143, 46.7348



88.2033, 85.3143, 256.5944



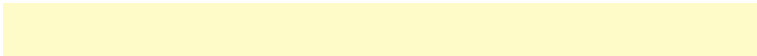
120.7037, 85.3143, 162.3960

Sweetspot

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



74.3693, 85.3183, 19.7572



86.3544, 94.5358, 69.2322



45.9295, 27.4955, 13.1856



18.2751, 20.0960, 13.8917



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.



74.3693, 85.3183, 19.7572



72.6848, 83.4417, 14.5943



56.2504, 81.9240, 20.0570



19.4404, 20.8489, 19.1440



37.3126, 42.6365, 6.2631



3.6657, 4.2168, 0.6207

Inverse Universe

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



24.9332, 16.3218, 96.4435



20.6191, 10.8575, 95.6167



33.6774, 19.3212, 96.5616



17.1101, 17.5918, 22.7437



9.5891, 4.0877, 49.7182



0.9691, 0.4689, 4.8527

Previews

White Background



This preview shows how the XYZ color 74.3673, 85.3143, 19.7555 looks on a white background.

Color Contrast Check

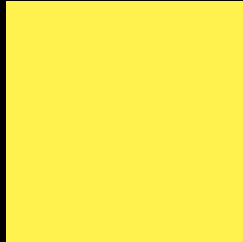
Large Text (above 18pt) WCAG AA × Fail

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 74.3673, 85.3143, 19.7555 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 74.3673, 85.3143, 19.7555

Background



This preview shows how black text looks on a background with the XYZ color 74.3673, 85.3143, 19.7555.

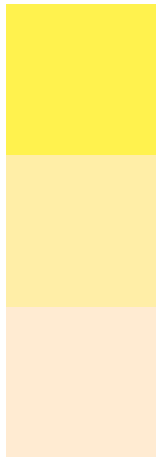


This preview shows how white text looks on a background with the XYZ color 74.3673, 85.3143,

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

74.3673, 85.3143, 19.7555

Protanopia

78.7896, 85.1991, 48.8516

Deuteranopia

82.5812, 85.3298, 73.0906



Tritanopia

85.9738, 85.3241, 95.1570

Trichromacy



Original Color

74.3673, 85.3143, 19.7555



Protanomaly

76.4797, 84.7423, 35.2477



Deuteranomaly

78.3361, 85.0177, 46.4637



Tritanomaly

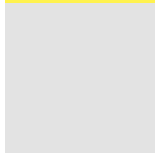
79.6790, 84.6283, 56.3913

Monochromacy



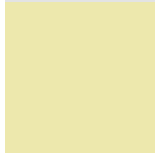
Original Color

74.3673, 85.3143, 19.7555



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.3245, 78.7349, 50.9733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.3673, 85.3143, 19.7555 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, 242, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 78)  
}
```

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, 242, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 78) }
```

Border

The CSS property to change the border of an element to XYZ 74.3673, 85.3143, 19.7555 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, 242, 78) }
```


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

```
.border{ border-color:rgb(255, 242, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 74.3673, 85.3143, 19.7555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 78) }
```

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

```
.background{ background-color: rgb(255,  
242, 78) }
```

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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