

Converting Colors

XYZ(73.7305, 84.1260, 19.2816)

Have a look what the booklet for
XYZ(73.7305, 84.1260, 19.2816)
contains.

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Color

**XYZ(73.7396, 84.1160,
19.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF04D
RGB	255, 240, 77
RGB Percent	100%, 94%, 30%
CMY	0.0000, 0.0588, 0.6980
CMYK	0.00, 0.06, 0.70, 0.00
HSL	55°, 100%, 65%
HSV	55°, 70%, 100%
XYZ	73.7396, 84.1160, 19.3707
YIQ	225.9030, 61.2630, -47.5130

Conversions

Conversions Part 2

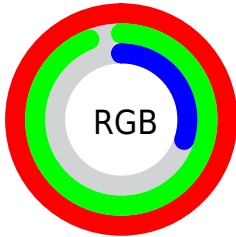
Format	Color
R_{YB}	93, 255, 77
Decimal	16773197
CIE Lab	93.50, -12.55, 76.31
CIE LCh	94, 77.336, 99.340
Yxy	84.1160, 0.4161, 0.4746
Android (android.graphics.Color)	4294963277 (0xFFFFF04D)
YUV	225.9030, -73.4092, 25.5181
Hunter-Lab	91.7148, -16.9851, 51.6779

Details

The XYZ color **73.7396, 84.1160, 19.3707** 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 **24.9378, 16.4519, 96.4681**, and the grayscale version is **72.7037, 76.4900, 83.2976**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **39.6462, 45.8831, 6.7667** is the 20% darker color. If you saturate the color by 10%, you get **72.3819, 82.5704, 15.3135**, and if you desaturate by 10%, it is **75.4613, 85.8256, 25.2910**.

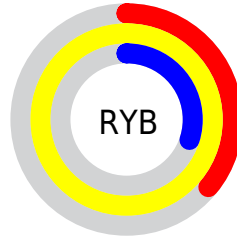
Distribution



Red (100%)

Green (94%)

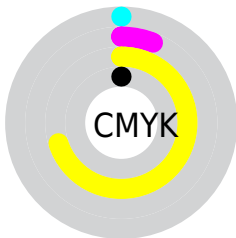
Blue (30%)



Red (36%)

Yellow (100%)

Blue (30%)

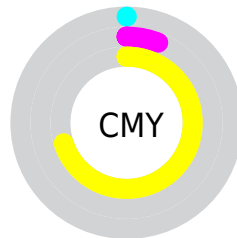


Cyan (0%)

Magenta (6%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7396, 84.1160, 19.3707 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 73.7396, 84.1160, 19.3707 by changing the saturation by 10% instead.


 73.7396, 84.1160,
19.3707


 73.7396, 84.1160,
19.3707


462.6384,
508.6984, 260.9782


 54.8715, 63.1112,
11.7589


 123.5241,
139.1374, 43.2046


 39.5323, 45.9312,
6.4592


 155.1711,
173.9229, 60.2638


 27.3566, 32.1915,
3.0530


 191.8086,
214.0706, 81.3091

 17.9792, 21.5078,
1.1218

 233.8017,
259.9651, 106.7593

 11.0347, 13.4957,
0.0000

 281.5159,
311.9908, 137.0327

 6.1576, 7.7708,
0.0000

335.3165,

 2.9827, 3.9486,

370.5319, 172.5480

0.0000

395.5688,
435.9730, 213.7237

■ 1.1446, 1.6449,
0.0000

■ 0.0620, 0.3876,
0.0000

■ 73.7396, 84.1160,
19.3707

■ 73.7396, 84.1160,
19.3707

■ 72.3819, 82.5704,
15.3135

■ 75.4613, 85.8256,
25.2910

■ 71.3386, 81.1592,
12.8830


■ 77.5781, 87.7021,
33.2634


■ 70.5411, 79.8583,
11.7108

■ 80.1242, 89.7623,
43.4592

■ 70.5262, 79.8330,
11.6922

■ 83.1285, 92.0180,
56.0305

 86.6174, 94.4795,
71.1161

 90.6151, 97.1569,
88.8439

95.0497, 99.9998,
108.9000

Harmonies

Analogous

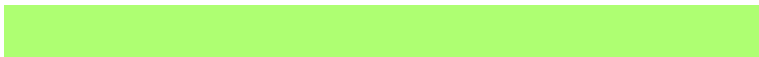
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6323, 84.1160, 21.4827



73.7396, 84.1160, 19.3707



57.5348, 84.1160, 29.2061

Triad

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



73.7396, 84.1160, 19.3707



53.2445, 84.1160, 183.0682



122.6480, 84.1160, 137.3135

Complementary

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



73.7396, 84.1160, 19.3707



24.9378, 16.4519, 96.4681

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.



107.5401, 84.1160, 209.1234



73.7396, 84.1160, 19.3707



66.8703, 84.1160, 242.4236

Square

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



73.7396, 84.1160, 19.3707



47.1029, 84.1160, 111.0962



86.4991, 84.1160, 253.5849



125.3359, 84.1160, 74.5087

Rectangle

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



73.7396, 84.1160, 19.3707



50.6847, 84.1160, 45.3479



86.4991, 84.1160, 253.5849



118.7444, 84.1160, 161.8057

Sweetspot

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



73.7415, 84.1200, 19.3724



86.1736, 94.1741, 69.1719



45.9506, 27.3911, 13.6452



18.2314, 20.0086, 13.8772



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.



73.7415, 84.1200, 19.3724



71.9088, 81.9628, 14.1100



56.8192, 82.2212, 19.8978



19.4227, 20.8135, 19.1381



36.9063, 41.8237, 6.1276



3.6304, 4.1462, 0.6090

Inverse Universe

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



24.9378, 16.4519, 96.4681



20.5123, 10.7990, 95.6110



32.9536, 18.8433, 96.5073



17.1260, 17.6235, 22.7490



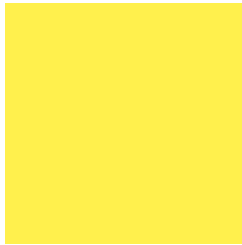
9.6184, 4.1464, 49.7280



0.9766, 0.4839, 4.8552

Previews

White Background



This preview shows how the XYZ color 73.7396, 84.1160, 19.3707 looks on a white background.

Color Contrast Check

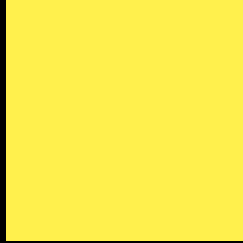
Large Text (above 18pt) WCAG AA × Fail

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 73.7396, 84.1160, 19.3707 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 73.7396, 84.1160, 19.3707

Background



This preview shows how black text looks on a background with the XYZ color 73.7396, 84.1160, 19.3707.

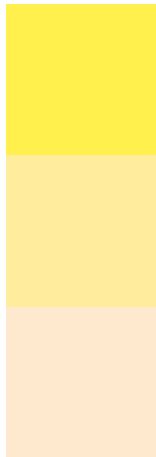


This preview shows how white text looks on a background with the XYZ color 73.7396, 84.1160,

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

73.7396, 84.1160, 19.3707

Protanopia

77.6100, 84.2627, 44.0721

Deuteranopia

81.5195, 83.9941, 70.3085



Tritanopia

85.1168, 84.0856, 93.4054

Trichromacy



Original Color

73.7396, 84.1160, 19.3707



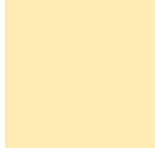
Protanomaly

75.7108, 83.9676, 32.6391



Deuteranomaly

77.4935, 83.7541, 44.8827



Tritanomaly

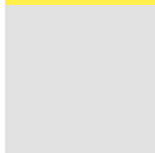
78.9010, 83.4009, 55.1195

Monochromacy



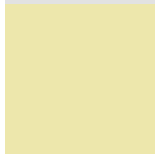
Original Color

73.7396, 84.1160, 19.3707



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.9474, 78.1349, 50.3719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7396, 84.1160, 19.3707 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, 240, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 77)  
}
```

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, 240, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 77) }
```

Border

The CSS property to change the border of an element to XYZ 73.7396, 84.1160, 19.3707 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, 240, 77) }
```


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

```
.border{ border-color:rgb(255, 240, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7396, 84.1160, 19.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 77) }
```

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

```
.background{ background-color: rgb(255,  
240, 77) }
```

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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