

Converting Colors

XYZ(76.3826, 85.4217, 20.1984)

Have a look what the booklet for
XYZ(76.3826, 85.4217, 20.1984)
contains.

XYZ(73.8853, 84.1743, 20.1377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.8853, 84.1743,
20.1377)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF051
RGB	255, 240, 81
RGB Percent	100%, 94%, 32%
CMY	0.0000, 0.0588, 0.6823
CMYK	0.00, 0.06, 0.68, 0.00
HSL	55°, 100%, 66%
HSV	55°, 68%, 100%
XYZ	73.8853, 84.1743, 20.1377
YIQ	226.3590, 59.9790, -46.2690

Conversions

Conversions Part 2

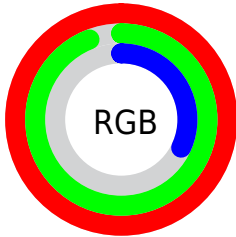
Format	Color
R _Y B	97, 255, 81
Decimal	16773201
CIE Lab	93.53, -12.36, 74.89
CIE LCh	94, 75.901, 99.370
Yxy	84.1743, 0.4146, 0.4724
Android (android.graphics.Color)	4294963281 (0xFFFFFFFF051)
YUV	226.3590, -71.6620, 25.1182
Hunter-Lab	91.7466, -16.8069, 51.2089

Details

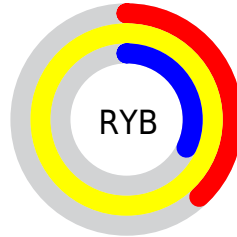
The XYZ color **73.8853, 84.1743, 20.1377** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.6263, 17.3349, 96.6024**, and the grayscale version is **73.0233, 76.8262, 83.6637**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **39.6571, 45.8875, 6.8244** is the 20% darker color. If you saturate the color by 10%, you get **72.4606, 82.5789, 15.7985**, and if you desaturate by 10%, it is **75.6805, 85.9369, 26.3726**.

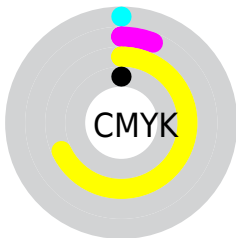
Distribution



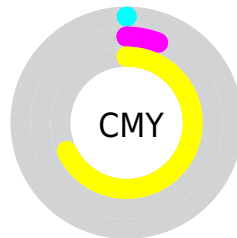
- Red (100%)
- Green (94%)
- Blue (32%)



- Red (38%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (6%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.8853, 84.1743, 20.1377 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 73.8853, 84.1743, 20.1377 by changing the saturation by 10% instead.


 73.8853, 84.1743,
20.1377


 73.8853, 84.1743,
20.1377


463.1338,
508.8919, 265.2884

 54.9911, 63.1594,
12.3101


 123.7296,
139.2190, 44.5099


 39.6284, 45.9701,
6.8301


 155.4104,
174.0175, 61.8916

 27.4319, 32.2223,
3.2793


 192.0841,
214.1793, 83.2952

 18.0361, 21.5313,
1.2389

 234.1161,
260.0888, 109.1390

 11.0758, 13.5129,
0.0109

281.8717,
312.1305, 139.8417

 6.1855, 7.7827,
0.0000

335.7163,

 2.9999, 3.9562,

370.6886, 175.8218

0.0000

396.0152,
436.1476, 217.4979

■ 1.1537, 1.6491,
0.0000

■ 0.0694, 0.3904,
0.0000

■ 73.8853, 84.1743,
20.1377

■ 73.8853, 84.1743,
20.1377

■ 72.4606, 82.5789,
15.7985

■ 75.6805, 85.9369,
26.3726

■ 71.3581, 81.1216,
13.1257


■ 77.8765, 87.8691,
34.6876


■ 70.5210, 79.7829,
11.8122

■ 80.5069, 89.9877,
45.2511

■ 70.3863, 79.5530,
11.6455

■ 83.6001, 92.3042,
58.2128

 87.1821, 94.8288,
73.7096

 91.2771, 97.5714,
91.8680

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.



94.3855, 84.1743, 22.2510



73.8853, 84.1743, 20.1377



57.9387, 84.1743, 30.0138

Triad

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



73.8853, 84.1743, 20.1377



53.7279, 84.1743, 181.1472



121.8258, 84.1743, 136.3628

Complementary

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



73.8853, 84.1743, 20.1377



25.6263, 17.3349, 96.6024

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.



107.0643, 84.1743, 206.3821



73.8853, 84.1743, 20.1377



67.1650, 84.1743, 238.8643

Square

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



73.8853, 84.1743, 20.1377



47.6518, 84.1743, 110.8484



86.4539, 84.1743, 249.6504



124.4378, 84.1743, 74.8097

Rectangle

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



73.8853, 84.1743, 20.1377



51.1823, 84.1743, 46.0892



86.4539, 84.1743, 249.6504



118.0153, 84.1743, 160.2745

Sweetspot

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



73.8872, 84.1783, 20.1394



86.5132, 94.3678, 70.7818



46.4063, 28.0350, 14.6212



18.2964, 20.0444, 14.1895



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.



73.8872, 84.1783, 20.1394



72.0104, 82.0148, 14.6095



57.3498, 82.4780, 20.6828



19.4195, 20.8071, 19.1370



36.8342, 41.6796, 6.1036



3.6242, 4.1337, 0.6069

Inverse Universe

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



25.6263, 17.3349, 96.6024



21.0009, 11.4560, 95.7121



33.6816, 19.6470, 96.6241



17.1288, 17.6292, 22.7499



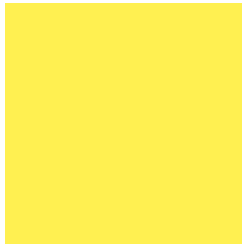
9.6240, 4.1575, 49.7298



0.9779, 0.4866, 4.8556

Previews

White Background



This preview shows how the XYZ color 73.8853, 84.1743, 20.1377 looks on a white background.

Color Contrast Check

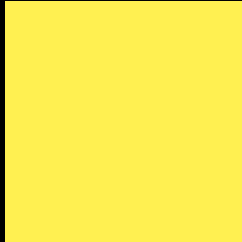
Large Text (above 18pt) WCAG AA × Fail

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 73.8853, 84.1743, 20.1377 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 73.8853, 84.1743, 20.1377

Background



This preview shows how black text looks on a background with the XYZ color 73.8853, 84.1743, 20.1377.



This preview shows how white text looks on a background with the XYZ color 73.8853, 84.1743,

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

73.8853, 84.1743, 20.1377

Protanopia

77.6100, 84.2627, 44.0721

Deuteranopia

81.5195, 83.9941, 70.3085



Tritanopia

85.1168, 84.0856, 93.4054

Trichromacy



Original Color

73.8853, 84.1743, 20.1377



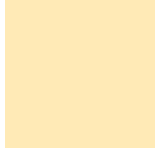
Protanomaly

75.7770, 83.9941, 32.9875



Deuteranomaly

77.6685, 83.8241, 45.8043



Tritanomaly

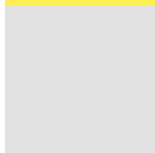
79.1063, 83.4830, 56.2005

Monochromacy



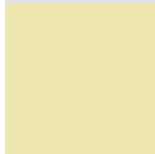
Original Color

73.8853, 84.1743, 20.1377



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

71.0438, 78.1735, 50.8797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8853, 84.1743, 20.1377 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 81) }
```

Border

The CSS property to change the border of an element to XYZ 73.8853, 84.1743, 20.1377 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, 81) }
```


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

```
.border{ border-color:rgb(255, 240, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8853, 84.1743, 20.1377 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, 81) }
```

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

```
.background{ background-color: rgb(255,  
240, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor