

Converting Colors

XYZ(76.2160, 88.7993, 21.0265)

Have a look what the booklet for
XYZ(76.2160, 88.7993, 21.0265)
contains.

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Color

**XYZ(76.3304, 89.0040,
21.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF852
RGB	255, 248, 82
RGB Percent	100%, 97%, 32%
CMY	0.0000, 0.0274, 0.6784
CMYK	0.00, 0.03, 0.68, 0.00
HSL	58°, 100%, 66%
HSV	58°, 68%, 100%
XYZ	76.3304, 89.0040, 21.1391
YIQ	231.1690, 57.4580, -50.1420

Conversions

Conversions Part 2

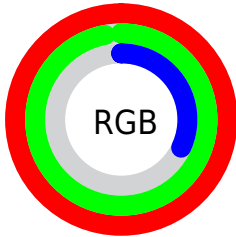
Format	Color
R _Y B	89, 255, 82
Decimal	16775250
CIE Lab	95.58, -16.20, 76.57
CIE LCh	96, 78.270, 101.948
Yxy	89.0040, 0.4093, 0.4773
Android (android.graphics.Color)	4294965330 (0xFFFFF852)
YUV	231.1690, -73.5403, 20.8998
Hunter-Lab	94.3419, -20.6772, 52.7543

Details

The XYZ color **76.3304, 89.0040, 21.1391** 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 **25.1023, 16.1585, 96.4030**, and the grayscale version is **76.5845, 80.5728, 87.7438**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **41.3553, 49.3014, 7.3365** is the 20% darker color. If you saturate the color by 10%, you get **75.2195, 88.0573, 16.8388**, and if you desaturate by 10%, it is **77.8076, 90.1067, 27.3412**.

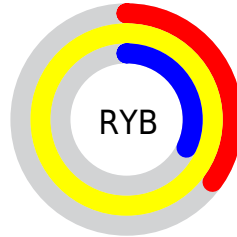
Distribution



Red (100%)

Green (97%)

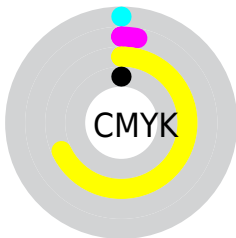
Blue (32%)



Red (35%)

Yellow (100%)

Blue (32%)

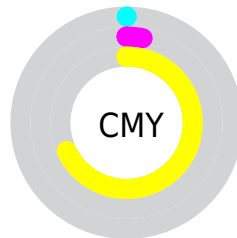


Cyan (0%)

Magenta (3%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3304, 89.0040, 21.1391 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 76.3304, 89.0040, 21.1391 by changing the saturation by 10% instead.


 76.3304, 89.0040,
21.1391

 76.3304, 89.0040,
21.1391


471.4050,
524.7856, 270.8221

 57.0015, 67.1549,
13.0335


 127.1717,
145.9541, 46.2027


 41.2466, 49.2105,
7.3206


 159.4148,
181.8239, 63.9978

 28.7003, 34.7865,
3.5819


 196.6933,
223.1360, 85.8598

 18.9974, 23.4984,
1.3989

 239.3727,
270.2749, 112.2072

 11.7724, 14.9620,
0.1409

287.8181,
323.6249, 143.4586

 6.6600, 8.7927,
0.0000

342.3951,

 3.2948, 4.6062,

383.5704, 180.0325

0.0000

403.4689,
450.4958, 222.3475

■ 1.3115, 2.0181,
0.0000

■ 0.1918, 0.6180,
0.0000

■ 76.3304, 89.0040,
21.1391

■ 76.3304, 89.0040,
21.1391

■ 75.2195, 88.0573,
16.8388

■ 77.8076, 90.1067,
27.3412

■ 74.4263, 87.2372,
14.2125


■ 79.6806, 91.3671,
35.6283


■ 73.8965, 86.5251,
12.9644

■ 81.9830, 92.8022,
46.1680

■ 73.7991, 86.3786,
12.7831

■ 84.7432, 94.4231,
59.1094

 87.9870, 96.2403,
74.5890

 91.7384, 98.2633,
92.7328

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.



98.0505, 89.0040, 22.3426



76.3304, 89.0040, 21.1391



59.8823, 89.0040, 32.8719

Triad

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



76.3304, 89.0040, 21.1391



57.4458, 89.0040, 199.4286



130.2527, 89.0040, 138.3798

Complementary

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



76.3304, 89.0040, 21.1391



25.1023, 16.1585, 96.4030

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.



115.3155, 89.0040, 214.1892



76.3304, 89.0040, 21.1391



72.4316, 89.0040, 258.4815

Square

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



76.3304, 89.0040, 21.1391



50.2812, 89.0040, 123.5172



93.4370, 89.0040, 264.8027



131.7766, 89.0040, 74.4280

Rectangle

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



76.3304, 89.0040, 21.1391



53.1309, 89.0040, 51.2486



93.4370, 89.0040, 264.8027



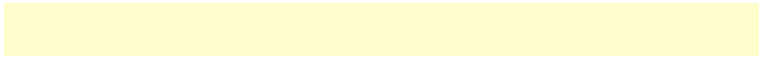
126.5299, 89.0040, 163.8578

Sweetspot

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



76.3325, 89.0082, 21.1409



87.2450, 95.8314, 71.0258



46.1310, 28.0447, 12.8016



18.4746, 20.4008, 14.2489



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.



76.3325, 89.0082, 21.1409



74.9370, 87.7855, 15.8399



55.4491, 81.4938, 20.7912



19.4946, 20.9573, 19.1620



38.5896, 45.1905, 6.6888



3.7761, 4.4376, 0.6575

Inverse Universe

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



25.1023, 16.1585, 96.4030



20.7435, 10.7658, 95.5924



35.5354, 20.7138, 96.7324



17.0619, 17.4954, 22.7276



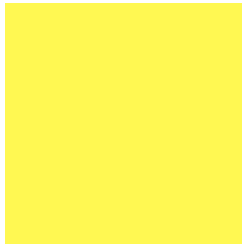
9.5154, 3.9404, 49.6936



0.9463, 0.4233, 4.8451

Previews

White Background



This preview shows how the XYZ color 76.3304, 89.0040, 21.1391 looks on a white background.

Color Contrast Check

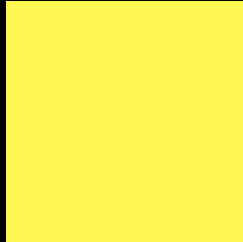
Large Text (above 18pt) WCAG AA × Fail

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 76.3304, 89.0040, 21.1391 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 76.3304, 89.0040, 21.1391

Background



This preview shows how black text looks on a background with the XYZ color 76.3304, 89.0040, 21.1391.



This preview shows how white text looks on a background with the XYZ color 76.3304, 89.0040,

Color Blindness Simulation

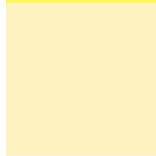
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.3304, 89.0040, 21.1391



Protanopia

82.6178, 88.6145, 63.2020



Deuteranopia

85.5849, 88.8541, 81.7470



Tritanopia

88.4491, 89.0629, 99.7179

Trichromacy



Original Color

76.3304, 89.0040, 21.1391



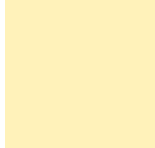
Protanomaly

79.3405, 88.2613, 42.9914



Deuteranomaly

80.6413, 88.3015, 51.3217



Tritanomaly

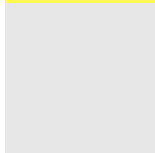
81.8551, 88.3094, 59.1856

Monochromacy



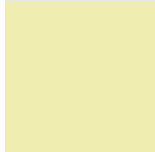
Original Color

76.3304, 89.0040, 21.1391



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

74.1552, 82.2680, 53.5659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3304, 89.0040, 21.1391 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, 248, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 82)  
}
```

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, 248, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 82) }
```

Border

The CSS property to change the border of an element to XYZ 76.3304, 89.0040, 21.1391 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, 248, 82) }
```


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

```
.border{ border-color:rgb(255, 248, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3304, 89.0040, 21.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 82) }
```

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

```
.background{ background-color: rgb(255,  
248, 82) }
```

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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