

Converting Colors

XYZ(76.7760, 91.8942, 15.1249)

Have a look what the booklet for
XYZ(76.7760, 91.8942, 15.1249)
contains.

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Color

**XYZ(76.6398, 91.6204,
15.0840)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFD21
RGB	255, 253, 33
RGB Percent	100%, 99%, 13%
CMY	0.0000, 0.0078, 0.8705
CMYK	0.00, 0.01, 0.87, 0.00
HSL	59°, 100%, 56%
HSV	59°, 87%, 100%
XYZ	76.6398, 91.6204, 15.0840
YIQ	228.5180, 71.8120, -67.9960

Conversions

Conversions Part 2

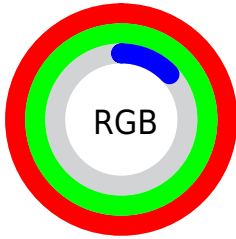
Format	Color
R _Y B	35, 255, 33
Decimal	16776481
CIE Lab	96.66, -20.24, 90.76
CIE LCh	97, 92.994, 102.573
Yxy	91.6204, 0.4180, 0.4997
Android (android.graphics.Color)	4294966561 (0xFFFFFD21)
YUV	228.5180, -96.3904, 23.2247
Hunter-Lab	95.7185, -24.5863, 57.6596

Details

The XYZ color **76.6398, 91.6204, 15.0840** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.2788, 8.7460, 95.2790**, and the grayscale version is **74.7739, 78.6680, 85.6694**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **42.2144, 51.4018, 7.6966** is the 20% darker color. If you saturate the color by 10%, you get **76.3361, 91.3869, 13.8319**, and if you desaturate by 10%, it is **77.2163, 91.9701, 17.7544**.

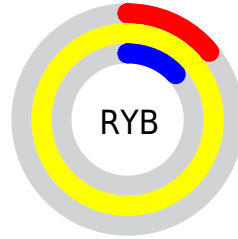
Distribution



Red (100%)

Green (99%)

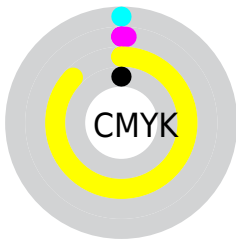
Blue (13%)



Red (14%)

Yellow (100%)

Blue (13%)

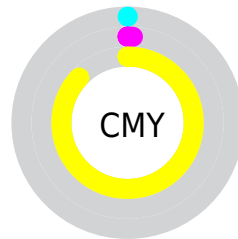


Cyan (0%)

Magenta (1%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6398, 91.6204, 15.0840 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 76.6398, 91.6204, 15.0840 by changing the saturation by 10% instead.


 76.6398, 91.6204,
15.0840


 76.6398, 91.6204,
15.0840


472.4458,
533.2880, 235.5324

 57.2562, 69.3254,
8.7311


 127.6064,
149.5872, 35.7449

 41.4519, 50.9767,
4.4718


 159.9202,
186.0277, 50.8899

 28.8616, 36.1901,
1.8876


 197.2747,
227.9522, 69.8027

 19.1199, 24.5811,
0.4848

 240.0353,
275.7451, 92.9018

 11.8615, 15.7652,
0.0000

 288.5673,
329.7907, 120.6058

 6.7209, 9.3582,
0.0000

343.2362,

 3.3330, 4.9755,

390.4734, 153.3332

0.0000

404.4073,
458.1777, 191.5025

■ 1.3322, 2.2329,
0.0000

■ 0.2071, 0.7378,
0.0000

■ 76.6398, 91.6204,
15.0840

■ 76.6398, 91.6204,
15.0840

■ 76.3361, 91.3869,
13.8319

■ 77.2163, 91.9701,
17.7544

■ 76.2737, 91.3279,
13.6080

■ 78.1127, 92.4445,
22.1173

■ 79.3724, 93.0643,
28.3937

■ 81.0311, 93.8439,
36.7702

■ 83.1198, 94.7956,
47.4110

■ 85.6667, 95.9307,
60.4641

■ 88.6976, 97.2595,
76.0651

■ 92.2361, 98.7916,
94.3395

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.



102.9405, 91.6204, 15.9929



76.6398, 91.6204, 15.0840



57.4328, 91.6204, 27.0757

Triad

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



76.6398, 91.6204, 15.0840



55.1928, 91.6204, 231.4711



144.0651, 91.6204, 149.1135

Complementary

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



76.6398, 91.6204, 15.0840



19.2788, 8.7460, 95.2790

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.



125.5014, 91.6204, 246.8355



76.6398, 91.6204, 15.0840



72.9428, 91.6204, 308.4012

Square

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



76.6398, 91.6204, 15.0840



46.8124, 91.6204, 134.3113



98.4330, 91.6204, 315.1134



145.6043, 91.6204, 71.7075

Rectangle

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



76.6398, 91.6204, 15.0840



49.7981, 91.6204, 47.2478



98.4330, 91.6204, 315.1134



139.4615, 91.6204, 181.3750

Sweetspot

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



76.6419, 91.6247, 15.0859



85.9633, 96.0621, 61.9846



42.1134, 22.4802, 3.8464



18.1956, 20.4710, 12.2194



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.



76.6419, 91.6247, 15.0859



76.2743, 91.3286, 13.6081



48.1943, 77.8979, 13.9357



19.5465, 21.0611, 19.1793



39.8614, 47.7340, 7.1127



3.8855, 4.6564, 0.6940

Inverse Universe

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



19.2788, 8.7460, 95.2790



18.0748, 7.2697, 95.0583



29.4613, 13.9107, 95.7392



17.0161, 17.4039, 22.7124



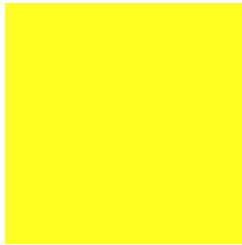
9.4501, 3.8099, 49.6719



0.9245, 0.3797, 4.8378

Previews

White Background



This preview shows how the XYZ color 76.6398, 91.6204, 15.0840 looks on a white background.

Color Contrast Check

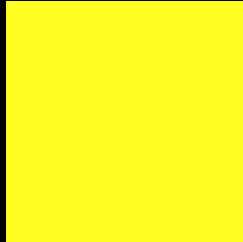
Large Text (above 18pt) WCAG AA × Fail

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 76.6398, 91.6204, 15.0840 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 76.6398, 91.6204, 15.0840

Background



This preview shows how black text looks on a background with the XYZ color 76.6398, 91.6204, 15.0840.



This preview shows how white text looks on a background with the XYZ color 76.6398, 91.6204,

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



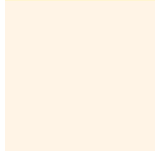
Original Color

76.6398, 91.6204, 15.0840



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

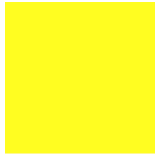
87.8736, 91.6745, 87.9264



Tritanopia

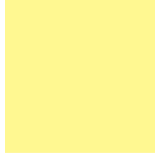
89.9354, 91.5416, 101.7361

Trichromacy



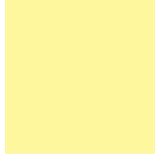
Original Color

76.6398, 91.6204, 15.0840



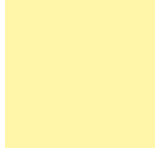
Protanomaly

79.9182, 90.4391, 40.0324



Deuteranomaly

80.6723, 90.2502, 45.5159



Tritanomaly

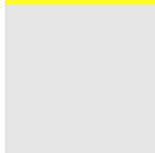
81.4515, 90.0738, 51.1232

Monochromacy



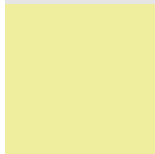
Original Color

76.6398, 91.6204, 15.0840



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.0060, 81.7948, 44.3406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6398, 91.6204, 15.0840 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, 253, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 33)  
}
```

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, 253, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 33) }
```

Border

The CSS property to change the border of an element to XYZ 76.6398, 91.6204, 15.0840 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, 253, 33) }
```


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

```
.border{ border-color:rgb(255, 253, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6398, 91.6204, 15.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 33) }
```

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

```
.background{ background-color: rgb(255,  
253, 33) }
```

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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