

Converting Colors

XYZ(76.6057, 91.8244, 14.2336)

Have a look what the booklet for
XYZ(76.6057, 91.8244, 14.2336)
contains.

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Color

**XYZ(76.4665, 91.5510,
14.1712)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFD11
RGB	255, 253, 17
RGB Percent	100%, 99%, 7%
CMY	0.0000, 0.0078, 0.9332
CMYK	0.00, 0.01, 0.93, 0.00
HSL	59°, 100%, 53%
HSV	59°, 93%, 100%
XYZ	76.4665, 91.5510, 14.1712
YIQ	226.6940, 76.9480, -72.9720

Conversions

Conversions Part 2

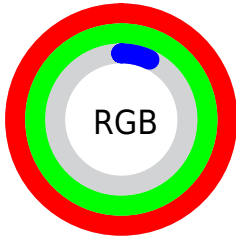
Format	Color
R _Y B	19, 255, 17
Decimal	16776465
CIE Lab	96.64, -20.47, 92.85
CIE LCh	97, 95.076, 102.434
Yxy	91.5510, 0.4197, 0.5025
Android (android.graphics.Color)	4294966545 (0xFFFFFD11)
YUV	226.6940, -103.3791, 24.8244
Hunter-Lab	95.6823, -24.7920, 58.1963

Details

The XYZ color **76.4665, 91.5510, 14.1712** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **18.5148, 7.8058, 95.1380**, and the grayscale version is **73.4839, 77.3108, 84.1915**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **42.2144, 51.4018, 7.6966** is the 20% darker color. If you saturate the color by 10%, you get **76.3222, 91.4247, 13.6241**, and if you desaturate by 10%, it is **76.8620, 91.8206, 15.9124**.

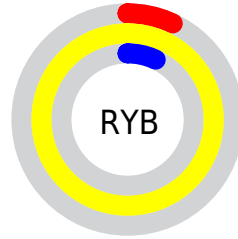
Distribution



Red (100%)

Green (99%)

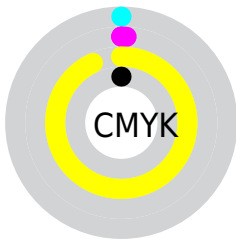
Blue (7%)



Red (7%)

Yellow (100%)

Blue (7%)

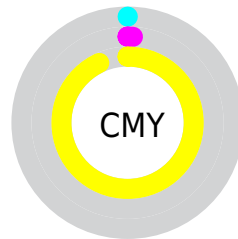


Cyan (0%)

Magenta (1%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4665, 91.5510, 14.1712 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 76.4665, 91.5510, 14.1712 by changing the saturation by 10% instead.


 76.4665, 91.5510,
14.1712

 76.4665, 91.5510,
14.1712


471.8630,
533.0634, 229.7586

 57.1135, 69.2678,
8.0997


 127.3630,
149.4909, 34.1140

 41.3369, 50.9298,
4.0701


 159.6371,
185.9164, 48.8224


 28.7712, 36.1527,
1.6639


 196.9491,
227.8248, 67.2468

 19.0512, 24.5522,
0.3358

 239.6642,
275.6004, 89.8058

 11.8115, 15.7437,
0.0000

 288.1478,
329.6277, 116.9180

 6.6868, 9.3430,
0.0000

342.7652,

 3.3116, 4.9656,

390.2910, 149.0018

0.0000

403.8818,
457.9748, 186.4758

■ 1.3206, 2.2271,
0.0000

■ 0.1986, 0.7347,
0.0000

■ 76.4665, 91.5510,
14.1712

■ 76.4665, 91.5510,
14.1712


■ 76.3222, 91.4247,
13.6241


■ 76.8620, 91.8206,
15.9124


■ 77.5464, 92.2024,
19.1829


■ 78.5690, 92.7195,
24.2345

■ 79.9688, 93.3878,
31.2722

 81.7796, 94.2205,
40.4735

 84.0313, 95.2296,
51.9960

 86.7509, 96.4262,
65.9827

 89.9636, 97.8200,
82.5651

 93.6925, 99.4204,
101.8654

Harmonies

Analogous

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



103.3745, 91.5510, 15.1155



76.4665, 91.5510, 14.1712



56.8796, 91.5510, 25.9688

Triad

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



76.4665, 91.5510, 14.1712



54.4769, 91.5510, 234.6986



145.4197, 91.5510, 150.7188

Complementary

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



76.4665, 91.5510, 14.1712



18.5148, 7.8058, 95.1380

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.



126.2691, 91.5510, 251.4862



76.4665, 91.5510, 14.1712



72.4821, 91.5510, 314.5498

Square

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



76.4665, 91.5510, 14.1712



46.0327, 91.5510, 134.6485



98.4948, 91.5510, 321.9045



147.0942, 91.5510, 71.3650

Rectangle

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



76.4665, 91.5510, 14.1712



49.1103, 91.5510, 46.1220



98.4948, 91.5510, 321.9045



140.6571, 91.5510, 183.9444

Sweetspot

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



76.4686, 91.5553, 14.1731



85.4194, 95.8431, 59.1254



41.5759, 21.7157, 2.7094



18.0403, 20.4071, 11.4065



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.



76.4686, 91.5553, 14.1731



76.3227, 91.4253, 13.6242



46.6730, 77.1338, 12.9598



19.5475, 21.0631, 19.1797



39.8862, 47.7837, 7.1210



3.8876, 4.6606, 0.6947

Inverse Universe

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



18.5148, 7.8058, 95.1380



18.0732, 7.2663, 95.0577



27.7739, 12.5311, 95.5620



17.0153, 17.4021, 22.7121



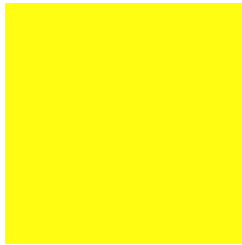
9.4489, 3.8074, 49.6715



0.9241, 0.3789, 4.8377

Previews

White Background



This preview shows how the XYZ color 76.4665, 91.5510, 14.1712 looks on a white background.

Color Contrast Check

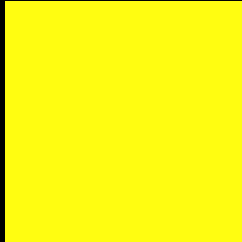
Large Text (above 18pt) WCAG AA × Fail

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 76.4665, 91.5510, 14.1712 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 76.4665, 91.5510, 14.1712

Background



This preview shows how black text looks on a background with the XYZ color 76.4665, 91.5510, 14.1712.

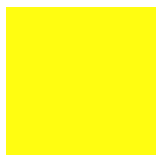


This preview shows how white text looks on a background with the XYZ color 76.4665, 91.5510,

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



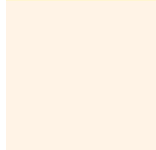
Original Color

76.4665, 91.5510, 14.1712



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

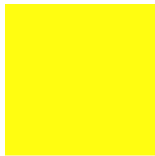
87.5735, 91.0744, 87.8264



Tritanopia

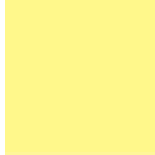
89.9354, 91.5416, 101.7361

Trichromacy



Original Color

76.4665, 91.5510, 14.1712



Protanomaly

79.4676, 90.2589, 37.6594



Deuteranomaly

80.2505, 90.0814, 43.2948



Tritanomaly

80.8966, 89.8519, 48.2014

Monochromacy



Original Color

76.4665, 91.5510, 14.1712



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.5064, 80.2298, 41.0480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4665, 91.5510, 14.1712 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 17) }
```

Border

The CSS property to change the border of an element to XYZ 76.4665, 91.5510, 14.1712 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, 17) }
```


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

```
.border{ border-color:rgb(255, 253, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4665, 91.5510, 14.1712 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, 17) }
```

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

```
.background{ background-color: rgb(255,  
253, 17) }
```

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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