

Converting Colors

XYZ(76.1776, 90.7025, 14.9099)

Have a look what the booklet for
XYZ(76.1776, 90.7025, 14.9099)
contains.

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Color

**XYZ(76.3249, 90.9906,
14.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFC21
RGB	255, 252, 33
RGB Percent	100%, 99%, 13%
CMY	0.0000, 0.0117, 0.8705
CMYK	0.00, 0.01, 0.87, 0.00
HSL	59°, 100%, 56%
HSV	59°, 87%, 100%
XYZ	76.3249, 90.9906, 14.9790
YIQ	227.9310, 72.0870, -67.4730

Conversions

Conversions Part 2

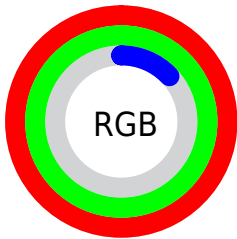
Format	Color
R _Y B	36, 255, 33
Decimal	16776225
CIE Lab	96.41, -19.77, 90.56
CIE LCh	96, 92.690, 102.313
Yxy	90.9906, 0.4187, 0.4991
Android (android.graphics.Color)	4294966305 (0xFFFFFC21)
YUV	227.9310, -96.1010, 23.7395
Hunter-Lab	95.3890, -24.1051, 57.4619

Details

The XYZ color **76.3249, 90.9906, 14.9790** 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 **19.3086, 8.8057, 95.2890**, and the grayscale version is **74.3396, 78.2111, 85.1718**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **41.9881, 50.9492, 7.6212** is the 20% darker color. If you saturate the color by 10%, you get **75.9856, 90.6857, 13.7150**, and if you desaturate by 10%, it is **76.9372, 91.4118, 17.6612**.

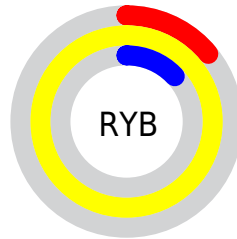
Distribution



Red (100%)

Green (99%)

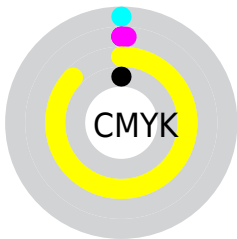
Blue (13%)



Red (14%)

Yellow (100%)

Blue (13%)

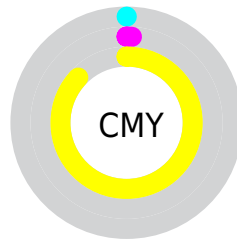


Cyan (0%)

Magenta (1%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3249, 90.9906, 14.9790 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 76.3249, 90.9906, 14.9790 by changing the saturation by 10% instead.


 76.3249, 90.9906,
14.9790


 76.3249, 90.9906,
14.9790


471.3865,
531.2480, 234.8755


 56.9970, 68.8025,
8.6582


 127.1640,
148.7136, 35.5581

 41.2429, 50.5509,
4.4252


 159.4058,
185.0174, 50.6535

 28.6975, 35.8513,
1.8614


 196.6830,
226.7951, 69.5108

 18.9952, 24.3194,
0.4680

 239.3609,
274.4313, 92.5486

 11.7708, 15.5707,
0.0000

 287.8048,
328.3103, 120.1855

 6.6589, 9.2209,
0.0000

342.3801,

 3.2941, 4.8855,

388.8165, 152.8399

0.0000

403.4523,
456.3342, 190.9303

■ 1.3111, 2.1803,
0.0000

■ 0.1915, 0.7092,
0.0000

■ 76.3249, 90.9906,
14.9790

■ 76.3249, 90.9906,
14.9790

■ 75.9856, 90.6857,
13.7150


■ 76.9372, 91.4118,
17.6612


■ 75.9126, 90.6058,
13.4876


■ 77.8693, 91.9579,
22.0360


■ 79.1651, 92.6497,
28.3244

■ 80.8598, 93.5014,
36.7129

 82.9847, 94.5255,
47.3657

 85.5679, 95.7332,
60.4309

 88.6352, 97.1348,
76.0440

 92.2102, 98.7399,
94.3304

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.



102.4572, 90.9906, 15.9794



76.3249, 90.9906, 14.9790



57.1888, 90.9906, 26.7498

Triad

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



76.3249, 90.9906, 14.9790



54.7274, 90.9906, 228.8833



142.9155, 90.9906, 148.8403

Complementary

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



76.3249, 90.9906, 14.9790



19.3086, 8.8057, 95.2890

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.



124.3852, 90.9906, 245.7506



76.3249, 90.9906, 14.9790



72.2634, 90.9906, 305.5897

Square

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



76.3249, 90.9906, 14.9790



46.4895, 90.9906, 132.5846



97.5064, 90.9906, 312.9572



144.6056, 90.9906, 71.7457

Rectangle

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



76.3249, 90.9906, 14.9790



49.5571, 90.9906, 46.6146



97.5064, 90.9906, 312.9572



138.3018, 90.9906, 180.8872

Sweetspot

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



76.3270, 90.9949, 14.9809



85.8683, 95.8722, 61.9530



42.1134, 22.4802, 3.8464



18.1726, 20.4250, 12.2117



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.



76.3270, 90.9949, 14.9809



75.9133, 90.6065, 13.4878



48.1942, 77.8979, 13.9356



19.5390, 21.0462, 19.1768



39.6759, 47.3631, 7.0508



3.8696, 4.6245, 0.6887

Inverse Universe

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



19.3086, 8.8057, 95.2890



18.0873, 7.2946, 95.0624



29.4612, 13.9107, 95.7392



17.0227, 17.4169, 22.7146



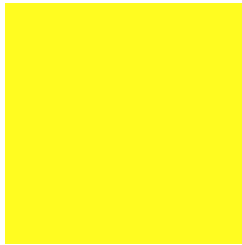
9.4595, 3.8286, 49.6750



0.9276, 0.3860, 4.8389

Previews

White Background



This preview shows how the XYZ color 76.3249, 90.9906, 14.9790 looks on a white background.

Color Contrast Check

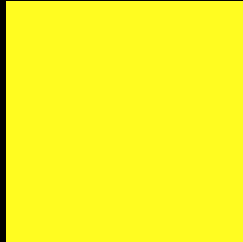
Large Text (above 18pt) WCAG AA × Fail

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 76.3249, 90.9906, 14.9790 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 76.3249, 90.9906, 14.9790

Background



This preview shows how black text looks on a background with the XYZ color 76.3249, 90.9906, 14.9790.



This preview shows how white text looks on a background with the XYZ color 76.3249, 90.9906,

Color Blindness Simulation

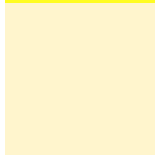
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



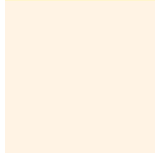
Original Color

76.3249, 90.9906, 14.9790



Protanopia

84.9119, 90.9726, 70.8417



Deuteranopia

87.2942, 90.9626, 86.3554



Tritanopia

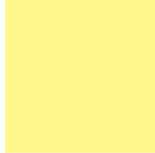
89.6386, 90.9479, 101.6372

Trichromacy



Original Color

76.3249, 90.9906, 14.9790



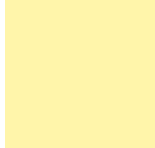
Protanomaly

79.6899, 90.3478, 38.8299



Deuteranomaly

80.2816, 89.6059, 44.9627



Tritanomaly

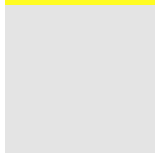
81.1481, 89.4671, 51.0221

Monochromacy



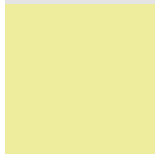
Original Color

76.3249, 90.9906, 14.9790



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.6299, 81.1798, 43.7923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3249, 90.9906, 14.9790 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, 252, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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, 252, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 33) }
```

Border

The CSS property to change the border of an element to XYZ 76.3249, 90.9906, 14.9790 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, 252, 33) }
```


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

```
.border{ border-color:rgb(255, 252, 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, 252, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3249, 90.9906, 14.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 33) }
```

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

```
.background{ background-color: rgb(255,  
252, 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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