

# Converting Colors

XYZ(72.7480, 85.2715, 12.7475)

Have a look what the booklet for  
XYZ(72.7480, 85.2715, 12.7475)  
contains.

<b>XYZ(72.5805, 84.9926, 12.6947)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(72.5805, 84.9926,  
12.6947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF304
RGB	253, 243, 4
RGB Percent	99%, 95%, 2%
CMY	0.0078, 0.0470, 0.9842
CMYK	0.00, 0.04, 0.98, 0.01
HSL	58°, 98%, 50%
HSV	58°, 98%, 99%
XYZ	72.5805, 84.9926, 12.6947
YIQ	218.7440, 82.6790, -72.2090

# Conversions

## Conversions Part 2

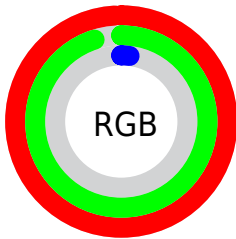
Format	Color
R <sub>Y</sub> B	14, 253, 4
Decimal	16642820
CIE Lab	93.88, -16.61, 91.74
CIE LCh	94, 93.234, 100.259
Yxy	84.9926, 0.4263, 0.4992
Android (android.graphics.Color)	4294832900 (0xFFFD304)
YUV	218.7440, -105.8688, 30.0425
Hunter-Lab	92.1914, -20.8055, 56.3698

# Details

The XYZ color **72.5805, 84.9926, 12.6947** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **17.9374, 7.4327, 93.4169**, and the grayscale version is **67.8300, 71.3624, 77.7137**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **39.5086, 46.7471, 6.9408** is the 20% darker color. If you saturate the color by 10%, you get **72.5118, 84.8908, 12.5638**, and if you desaturate by 10%, it is **73.0910, 85.6876, 13.8714**.

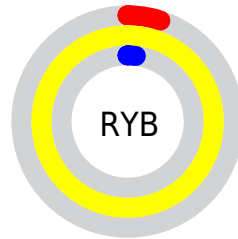
# Distribution



Red (99%)

Green (95%)

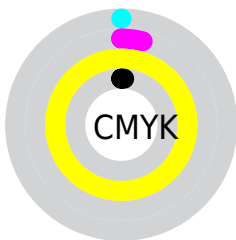
Blue (2%)



Red (5%)

Yellow (99%)

Blue (2%)

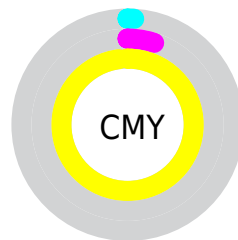


Cyan (0%)

Magenta (4%)

Yellow (98%)

Black (1%)



Cyan (1%)

Magenta (5%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5805, 84.9926, 12.6947 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 72.5805, 84.9926, 12.6947 by changing the saturation by 10% instead.



72.5805, 84.9926,  
12.6947

72.5805, 84.9926,  
12.6947

458.6859,  
511.6036, 220.0903

53.9202, 63.8353,  
7.0904

121.8878,  
140.3628, 31.4373

38.7683, 46.5173,  
3.4394

153.2656,  
175.3445, 45.4127

26.7594, 32.6542,  
1.3231

189.6131,  
215.7031, 63.0155

17.5283, 21.8617,  
0.0806

231.2959,  
261.8230, 84.6644

10.7095, 13.7553,  
0.0000

278.6792,  
314.0886, 110.7777

5.9377, 7.9507,  
0.0000

332.1284,

2.8475, 4.0634,

372.8843, 141.7741

0.0000

392.0088,  
438.5945, 178.0722

■ 1.0736, 1.7091,  
0.0000

■ 0.0029, 0.4295,  
0.0000

■ 72.5805, 84.9926,  
12.6947

■ 72.5805, 84.9926,  
12.6947

■ 72.5118, 84.8908,  
12.5638

■ 73.0910, 85.6876,  
13.8714

■ 73.8524, 86.4825,  
16.3693

■ 74.9252, 87.4046,  
20.4990

■ 76.3514, 88.4707,  
26.4809

■ 78.1663, 89.6951,  
34.5016

■ 80.4010, 91.0900,  
44.7246

■ 83.0834, 92.6668,  
57.2971

■ 86.2392, 94.4357,  
72.3535

■ 89.8919, 96.4060,  
90.0181

# Harmonies

## Analogous

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



97.9918, 84.9926, 14.3137



72.5805, 84.9926, 12.6947



53.7081, 84.9926, 22.5327

# Triad

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



72.5805, 84.9926, 12.6947



49.5716, 84.9926, 211.8981



134.5201, 84.9926, 146.7869

# Complementary

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



72.5805, 84.9926, 12.6947



17.9374, 7.4327, 93.4169

# 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.



115.7020, 84.9926, 240.8683



72.5805, 84.9926, 12.6947



65.7169, 84.9926, 289.9091

# Square

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



72.5805, 84.9926, 12.6947



42.3448, 84.9926, 119.0720



89.5811, 84.9926, 302.6043



137.4078, 84.9926, 70.2788



# Rectangle

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



72.5805, 84.9926, 12.6947



46.0366, 84.9926, 39.9645



89.5811, 84.9926, 302.6043



129.6896, 84.9926, 178.2146

# Sweetspot

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



72.5824, 84.9966, 12.6964



84.1145, 94.0711, 56.1074



40.6487, 21.0090, 2.4222



17.7520, 19.9880, 10.8255



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.



72.5824, 84.9966, 12.6964



73.8215, 86.4230, 12.7905



46.1258, 75.9185, 12.3386



19.4951, 20.9583, 19.1622



38.6009, 45.2131, 6.6925



3.7771, 4.4396, 0.6579



# Inverse Universe

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



17.9374, 7.4327, 93.4169



18.1611, 7.4422, 95.0870



24.9851, 10.8972, 93.7142



17.0615, 17.4945, 22.7275



9.5148, 3.9392, 49.6934

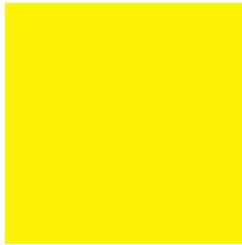


0.9461, 0.4229, 4.8450



# Previews

## White Background



This preview shows how the XYZ color 72.5805, 84.9926, 12.6947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

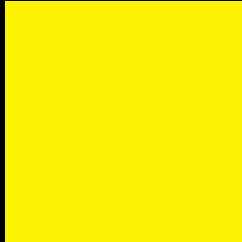
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5805, 84.9926, 12.6947 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 72.5805, 84.9926, 12.6947**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5805, 84.9926, 12.6947.



This preview shows how white text looks on a background with the XYZ color 72.5805, 84.9926,



# 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

72.5805, 84.9926, 12.6947



### Protanopia

78.4254, 85.0534, 46.9338



### Deuteranopia

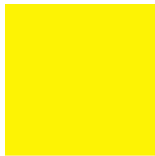
82.0480, 84.6597, 71.6911



## Tritanopia

85.6931, 84.7627, 95.0634

# Trichromacy



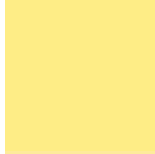
## Original Color

72.5805, 84.9926, 12.6947



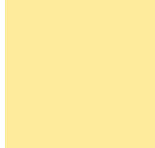
## Protanomaly

74.5829, 84.4109, 25.7266



## Deuteranomaly

75.4603, 83.3604, 34.6672



## Tritanomaly

76.4978, 82.8541, 42.9709

# Monochromacy



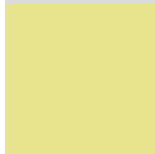
## Original Color

72.5805, 84.9926, 12.6947



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

65.5061, 74.3988, 36.1072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5805, 84.9926, 12.6947 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(253, 243, 4)` looks like.

```
.text, #text, p{  
    color:rgb(253, 243, 4)  
}
```

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(253, 243, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 4) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5805, 84.9926, 12.6947 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(253, 243, 4) }
```



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

```
.border{ border-color:rgb(253, 243, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 243, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 4);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
4) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5805, 84.9926, 12.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 4) }
```

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

```
.background{ background-color: rgb(253,  
243, 4) }
```

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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