

Converting Colors

XYZ(74.2836, 87.3472, 12.9446)

Have a look what the booklet for
XYZ(74.2836, 87.3472, 12.9446)
contains.

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Color

**XYZ(74.1958, 87.1715,
12.9153)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF600
RGB	255, 246, 0
RGB Percent	100%, 96%, 0%
CMY	0.0000, 0.0353, 0.9998
CMYK	0.00, 0.04, 1.00, 0.00
HSL	58°, 100%, 50%
HSV	58°, 100%, 100%
XYZ	74.1958, 87.1715, 12.9153
YIQ	220.6470, 84.3300, -74.5980

Conversions

Conversions Part 2

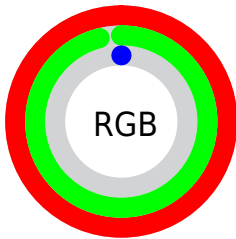
Format	Color
R_{YB}	9, 255, 0
Decimal	16774656
CIE Lab	94.81, -17.25, 92.79
CIE LCh	95, 94.376, 100.534
Yxy	87.1715, 0.4257, 0.5002
Android (android.graphics.Color)	4294964736 (0xFFFFFFFF600)
YUV	220.6470, -108.7790, 30.1276
Hunter-Lab	93.3657, -21.5396, 57.1544

Details

The XYZ color **74.1958, 87.1715, 12.9153** is a light color, and the websafe version is hex **FFFF00**, and the color name is [cadmium yellow](#). The color can be described as light saturated yellow. A complement of this color would be **18.1484, 7.4163, 95.0820**, and the grayscale version is **69.1821, 72.7850, 79.2628**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **40.4058, 48.1644, 7.1670** is the 20% darker color. If you saturate the color by 10%, you get **74.1971, 87.1747, 12.9158**, and if you desaturate by 10%, it is **74.6531, 87.7966, 13.9623**.

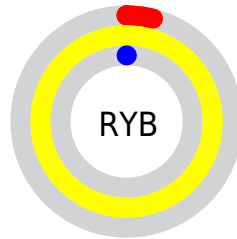
Distribution



Red (100%)

Green (96%)

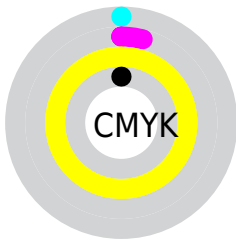
Blue (0%)



Red (4%)

Yellow (100%)

Blue (0%)

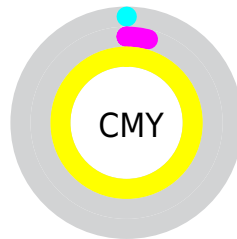


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.1958, 87.1715, 12.9153 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 74.1958, 87.1715, 12.9153 by changing the saturation by 10% instead.


 74.1958, 87.1715,
12.9153

 74.1958, 87.1715,
12.9153


464.1887,
518.7862, 221.5629

 55.2462, 65.6371,
7.2402


 124.1673,
143.4032, 31.8405

 39.8335, 47.9779,
3.5321


 155.9199,
178.8692, 45.9277


 27.5924, 33.8094,
1.3723


 192.6709,
219.7480, 63.6559

 18.1575, 22.7472,
0.1200

 234.7856,
266.4239, 85.4439

 11.1635, 14.4070,
0.0000

 282.6294,
319.2813, 111.7100

 6.2450, 8.4043,
0.0000

 336.5676,

 3.0367, 4.3547,

378.7045, 142.8728

0.0000

396.9656,
445.0780, 179.3509

■ 1.1732, 1.8739,
0.0000

■ 0.0851, 0.5326,
0.0000

■ 74.1958, 87.1715,
12.9153

■ 74.1958, 87.1715,
12.9153

■ 74.1971, 87.1747,
12.9158

■ 74.6531, 87.7966,
13.9623

■ 75.3458, 88.5145,
16.2504

■ 76.3476, 89.3583,
20.1601

■ 77.7027, 90.3455,
25.9236

■ 79.4481, 91.4909,
33.7355

■ 81.6159, 92.8075,
43.7658

■ 84.2353, 94.3068,
56.1670

■ 87.3325, 95.9994,
71.0779

■ 90.9319, 97.8950,
88.6266

Harmonies

Analogous

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



100.3226, 87.1715, 14.4742



74.1958, 87.1715, 12.9153



54.8587, 87.1715, 23.1242

Triad

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



74.1958, 87.1715, 12.9153



50.8514, 87.1715, 218.8139



138.3222, 87.1715, 149.9296

Complementary

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



74.1958, 87.1715, 12.9153



18.1484, 7.4163, 95.0820

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.



119.0466, 87.1715, 246.9761



74.1958, 87.1715, 12.9153



67.5407, 87.1715, 298.8857

Square

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



74.1958, 87.1715, 12.9153



43.3407, 87.1715, 123.0207



92.1606, 87.1715, 311.2335



141.1272, 87.1715, 71.4533

Rectangle

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



74.1958, 87.1715, 12.9153



47.0278, 87.1715, 41.1749



92.1606, 87.1715, 311.2335



133.3922, 87.1715, 182.2811

Sweetspot

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



74.1978, 87.1756, 12.9171



84.2315, 94.3050, 56.1464



41.3114, 21.2892, 2.3055



17.7805, 20.0450, 10.8350



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.



74.1978, 87.1756, 12.9171



74.1976, 87.1753, 12.9159



46.6203, 77.1183, 12.4293



19.5031, 20.9743, 19.1649



38.7943, 45.5998, 6.7570



3.7938, 4.4729, 0.6634

Inverse Universe

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



18.1484, 7.4163, 95.0820



18.1476, 7.4152, 95.0825



25.0905, 10.8502, 95.3790



17.0544, 17.4804, 22.7251



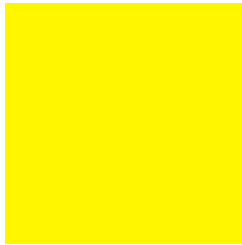
9.5047, 3.9190, 49.6901



0.9427, 0.4161, 4.8439

Previews

White Background



This preview shows how the XYZ color 74.1958, 87.1715, 12.9153 looks on a white background.

Color Contrast Check

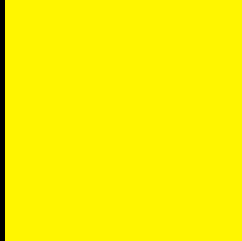
Large Text (above 18pt) WCAG AA × Fail

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 74.1958, 87.1715, 12.9153 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 74.1958, 87.1715, 12.9153

Background



This preview shows how black text looks on a background with the XYZ color 74.1958, 87.1715, 12.9153.

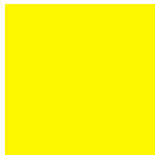


This preview shows how white text looks on a background with the XYZ color 74.1958, 87.1715,

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

74.1958, 87.1715, 12.9153



Protanopia

80.6383, 86.8755, 55.6986



Deuteranopia

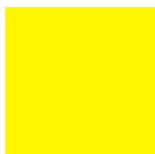
83.9189, 86.7862, 77.2942



Tritanopia

87.1260, 87.1477, 97.0232

Trichromacy



Original Color

74.1958, 87.1715, 12.9153



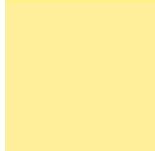
Protanomaly

76.0866, 86.0021, 28.8095



Deuteranomaly

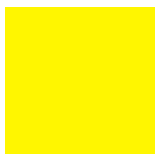
76.9154, 85.3863, 36.0942



Tritanomaly

78.0229, 85.3596, 43.3741

Monochromacy



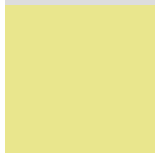
Original Color

74.1958, 87.1715, 12.9153



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.7088, 75.8404, 36.3220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.1958, 87.1715, 12.9153 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, 246, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 0)  
}
```

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, 246, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 0) }
```

Border

The CSS property to change the border of an element to XYZ 74.1958, 87.1715, 12.9153 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, 246, 0) }
```


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

```
.border{ border-color:rgb(255, 246, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 74.1958, 87.1715, 12.9153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 0) }
```

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

```
.background{ background-color: rgb(255,  
246, 0) }
```

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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