

Converting Colors

XYZ(72.0400, 87.8398, 13.1579)

Have a look what the booklet for
XYZ(72.0400, 87.8398, 13.1579)
contains.

XYZ(72.1916, 87.9640, 13.1739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.1916, 87.9640,
13.1739)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FA00
RGB	246, 250, 0
RGB Percent	96%, 98%, 0%
CMY	0.0353, 0.0196, 0.9998
CMYK	0.02, 0.00, 1.00, 0.02
HSL	61°, 100%, 49%
HSV	61°, 100%, 98%
XYZ	72.1916, 87.9640, 13.1739
YIQ	220.3040, 77.8660, -78.5980

Conversions

Conversions Part 2

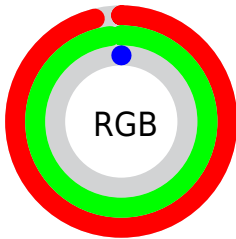
Format	Color
RYB	0, 250, 4
Decimal	16185856
CIELab	95.15, -22.88, 92.71
CIELCh	95, 95.493, 103.862
Yxy	87.9640, 0.4165, 0.5075
Android (android.graphics.Color)	4294375936 (0xFFFF6FA00)
YUV	220.3040, -108.6099, 22.5354
Hunter-Lab	93.7891, -26.7355, 57.3243

Details

The XYZ color **72.1916, 87.9640, 13.1739** 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 **17.3075, 6.9295, 90.8733**, and the grayscale version is **68.9428, 72.5332, 78.9887**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **39.2994, 48.8979, 7.3669** is the 20% darker color. If you saturate the color by 10%, you get **72.1931, 87.9679, 13.1745**, and if you desaturate by 10%, it is **72.5100, 88.1109, 14.1075**.

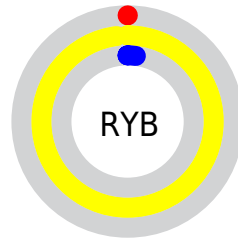
Distribution



Red (96%)

Green (98%)

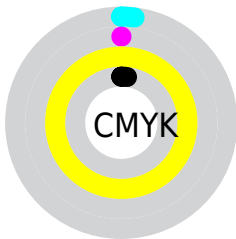
Blue (0%)



Red (0%)

Yellow (98%)

Blue (2%)

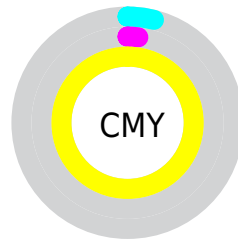


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (4%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1916, 87.9640, 13.1739 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 72.1916, 87.9640, 13.1739 by changing the saturation by 10% instead.


 72.1916, 87.9640,
13.1739

 72.1916, 87.9640,
13.1739


457.3555,
521.3853, 223.2760

 53.6012, 66.2933,
7.4163


 121.3382,
144.5070, 32.3116

 38.5123, 48.5105,
3.6414


 152.6252,
180.1481, 46.5288


 26.5596, 34.2313,
1.4308


 188.8751,
221.2148, 64.4028

 17.3776, 23.0714,
0.1655

 230.4532,
268.0914, 86.3524

 10.6011, 14.6462,
0.0000

 277.7250,
321.1623, 112.7959

 5.8646, 8.5715,
0.0000

 331.0557,

 2.8028, 4.4627,

380.8121, 144.1520

0.0000

390.8108,
447.4249, 180.8392

■ 1.0503, 1.9356,
0.0000

■ 0.0000, 0.5697,
0.0000

■ 72.1916, 87.9640,
13.1739

■ 72.1916, 87.9640,
13.1739

■ 72.1931, 87.9679,
13.1745

■ 72.5100, 88.1109,
14.1075

■ 73.0518, 88.3440,
16.2242

■ 73.8880, 88.6948,
19.8897

■ 75.0606, 89.1802,
25.3249

■ 76.6047, 89.8142,
32.7151

■ 78.5511, 90.6092,
42.2222

■ 80.9274, 91.5762,
53.9913

■ 83.7586, 92.7252,
68.1549

■ 87.0681, 94.0655,
84.8349

Harmonies

Analogous

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



98.2871, 87.9640, 13.5699



72.1916, 87.9640, 13.1739



53.5285, 87.9640, 25.1914

Triad

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



72.1916, 87.9640, 13.1739



52.4926, 87.9640, 233.1957



141.4150, 87.9640, 141.3411

Complementary

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



72.1916, 87.9640, 13.1739



17.3075, 6.9295, 90.8733

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.



123.2556, 87.9640, 240.5469



72.1916, 87.9640, 13.1739



70.4669, 87.9640, 309.6625

Square

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



72.1916, 87.9640, 13.1739



43.8554, 87.9640, 134.3422



96.1668, 87.9640, 312.8908



142.1456, 87.9640, 65.4052

Rectangle

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



72.1916, 87.9640, 13.1739



46.2768, 87.9640, 45.5352



96.1668, 87.9640, 312.8908



137.0004, 87.9640, 173.7136

Sweetspot

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



72.1936, 87.9681, 13.1757



84.6364, 95.7826, 56.4102



39.4274, 20.3262, 1.8465



17.8792, 20.4053, 10.8993



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.



72.1936, 87.9681, 13.1757



75.5118, 92.0128, 13.7804



42.6488, 72.7372, 11.7930



18.6983, 20.1757, 18.3712



38.3039, 46.6646, 6.9884



3.5562, 4.3264, 0.6476

Inverse Universe

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



17.3075, 6.9295, 90.8733



18.1012, 7.2464, 95.0524



25.7177, 11.2652, 91.2669



16.3088, 16.6563, 21.7407



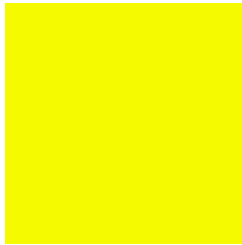
9.1906, 3.6806, 48.1996



0.8600, 0.3454, 4.4645

Previews

White Background



This preview shows how the XYZ color 72.1916, 87.9640, 13.1739 looks on a white background.

Color Contrast Check

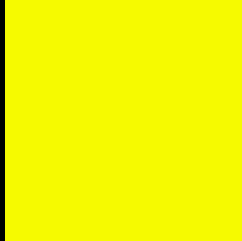
Large Text (above 18pt) WCAG AA × Fail

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 72.1916, 87.9640, 13.1739 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 72.1916, 87.9640, 13.1739

Background



This preview shows how black text looks on a background with the XYZ color 72.1916, 87.9640, 13.1739.

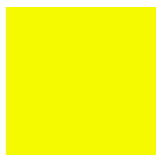


This preview shows how white text looks on a background with the XYZ color 72.1916, 87.9640,

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



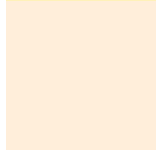
Original Color

72.1916, 87.9640, 13.1739



Protanopia

81.4523, 87.6734, 58.5286



Deuteranopia

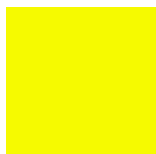
84.4694, 87.4710, 78.7612



Tritanopia

87.7368, 87.3921, 100.2398

Trichromacy



Original Color

72.1916, 87.9640, 13.1739



Protanomaly

75.7656, 86.7048, 29.8820



Deuteranomaly

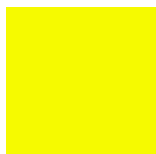
76.5572, 86.0638, 37.0031



Tritanomaly

77.3908, 85.4499, 44.3128

Monochromacy



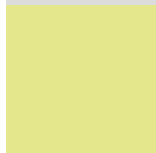
Original Color

72.1916, 87.9640, 13.1739



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.6226, 75.7033, 35.9645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1916, 87.9640, 13.1739 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(246, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 250, 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(246, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 72.1916, 87.9640, 13.1739 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(246, 250, 0) }
```


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

```
.border{ border-color:rgb(246, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1916, 87.9640, 13.1739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 250, 0) }
```

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

```
.background{ background-color: rgb(246,  
250, 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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