

Converting Colors

XYZ(72.8891, 90.6479, 14.2374)

Have a look what the booklet for
XYZ(72.8891, 90.6479, 14.2374)
contains.

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Color

**XYZ(72.8313, 90.6184,
14.2247)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FF12
RGB	243, 255, 18
RGB Percent	95%, 100%, 7%
CMY	0.0471, 0.0000, 0.9293
CMYK	0.05, 0.00, 0.93, 0.00
HSL	63°, 100%, 54%
HSV	63°, 93%, 100%
XYZ	72.8313, 90.6184, 14.2247
YIQ	224.3940, 68.9250, -76.2510

Conversions

Conversions Part 2

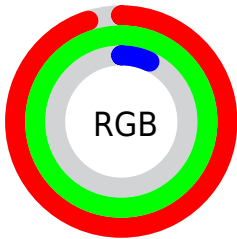
Format	Color
R _Y B	18, 255, 30
Decimal	15990546
CIE Lab	96.25, -26.31, 92.06
CIE LCh	96, 95.742, 105.948
Yxy	90.6184, 0.4099, 0.5100
Android (android.graphics.Color)	4294180626 (0xFFFF3FF12)
YUV	224.3940, -101.7522, 16.3175
Hunter-Lab	95.1937, -30.0212, 57.7759

Details

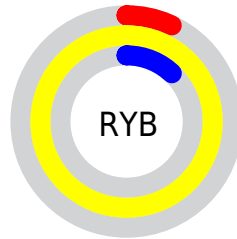
The XYZ color **72.8313, 90.6184, 14.2247** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **18.8029, 7.9299, 95.1473**, and the grayscale version is **71.8063, 75.5459, 82.2695**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **39.7148, 50.7919, 7.7106** is the 20% darker color. If you saturate the color by 10%, you get **72.4075, 90.4125, 13.6351**, and if you desaturate by 10%, it is **73.6148, 90.9834, 16.0180**.

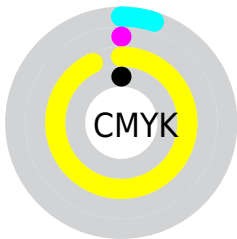
Distribution



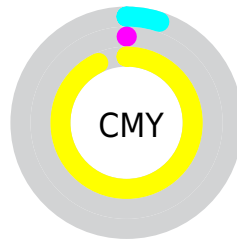
- Red (95%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (12%)



- Cyan (5%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8313, 90.6184, 14.2247 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 72.8313, 90.6184, 14.2247 by changing the saturation by 10% instead.


 72.8313, 90.6184,
14.2247

 72.8313, 90.6184,
14.2247


459.5428,
530.0404, 230.1011

 54.1259, 68.4937,
8.1366


 122.2421,
148.1971, 34.2100


 38.9334, 50.2995,
4.0934


 153.6783,
184.4198, 48.9443


 26.8884, 35.6514,
1.6767


 190.0887,
226.1107, 67.3978

 17.6256, 24.1651,
0.3447

 231.8388,
273.6540, 89.9889

 10.7796, 15.4561,
0.0000

 279.2939,
327.4343, 117.1363

 5.9850, 9.1401,
0.0000

332.8193,

 2.8765, 4.8327,

387.8358, 149.2584

0.0000

392.7805,
455.2431, 186.7738

■ 1.0888, 2.1494,
0.0000

■ 0.0157, 0.6922,
0.0000

■ 72.8313, 90.6184,
14.2247

■ 72.8313, 90.6184,
14.2247


■ 72.4075, 90.4125,
13.6351


■ 73.6148, 90.9834,
16.0180

■ 74.6945, 91.4673,
19.3526


■ 76.1171, 92.0887,
24.4769

■ 77.9215, 92.8632,
31.5950

 80.1411, 93.8042,
40.8833

 82.8058, 94.9236,
52.4988

 85.9427, 96.2322,
66.5840

 89.5766, 97.7400,
83.2699

 93.7307, 99.4562,
102.6786

Harmonies

Analogous

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



99.1501, 90.6184, 13.8826



72.8313, 90.6184, 14.2247



54.3612, 90.6184, 27.8590

Triad

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



72.8313, 90.6184, 14.2247



55.2465, 90.6184, 245.7611



145.8593, 90.6184, 138.6620

Complementary

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



72.8313, 90.6184, 14.2247



18.8029, 7.9299, 95.1473

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.



128.3510, 90.6184, 239.5171



72.8313, 90.6184, 14.2247



74.3029, 90.6184, 319.7879

Square

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



72.8313, 90.6184, 14.2247



45.7291, 90.6184, 144.6194



100.9565, 90.6184, 317.0484



145.2379, 90.6184, 63.6546

Rectangle

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



72.8313, 90.6184, 14.2247



47.3686, 90.6184, 50.2125



100.9565, 90.6184, 317.0484



141.7650, 90.6184, 171.1881

Sweetspot

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



72.8312, 90.6183, 14.2258



84.2920, 95.5446, 59.1272



41.8105, 22.2260, 2.6598



17.7622, 20.3336, 11.4070



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.



72.8312, 90.6183, 14.2258



72.4075, 90.4125, 13.6351



44.2779, 75.8985, 12.8896



19.4650, 21.0411, 19.1798



37.8741, 47.2629, 7.1265



3.7145, 4.6156, 0.6951

Inverse Universe

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



18.8029, 7.9299, 95.1473



18.2147, 7.3049, 95.0577



30.5450, 13.9831, 95.6969



17.0881, 17.4216, 22.7120



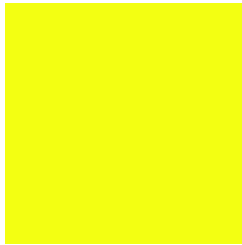
9.5528, 3.8351, 49.6713



0.9587, 0.3882, 4.8377

Previews

White Background



This preview shows how the XYZ color 72.8313, 90.6184, 14.2247 looks on a white background.

Color Contrast Check

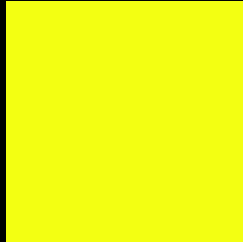
Large Text (above 18pt) WCAG AA × Fail

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 72.8313, 90.6184, 14.2247 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 72.8313, 90.6184, 14.2247

Background



This preview shows how black text looks on a background with the XYZ color 72.8313, 90.6184, 14.2247.



This preview shows how white text looks on a background with the XYZ color 72.8313, 90.6184,

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



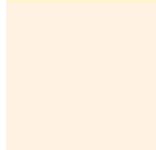
Original Color

72.8313, 90.6184, 14.2247



Protanopia

84.2514, 90.2256, 68.8519



Deuteranopia

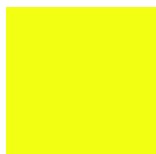
86.7196, 90.2552, 84.8019



Tritanopia

89.6772, 90.0213, 104.7448

Trichromacy



Original Color

72.8313, 90.6184, 14.2247



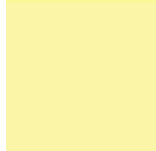
Protanomaly

77.7242, 89.3933, 36.0798



Deuteranomaly

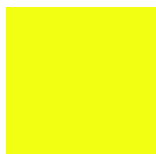
78.5494, 89.2328, 41.9378



Tritanomaly

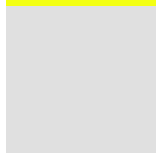
79.4111, 88.6041, 49.4761

Monochromacy



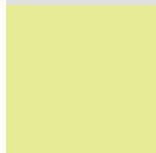
Original Color

72.8313, 90.6184, 14.2247



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.0881, 78.5755, 40.0117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8313, 90.6184, 14.2247 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(243, 255, 18)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 18)  
}
```

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(243, 255, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 18) }
```

Border

The CSS property to change the border of an element to XYZ 72.8313, 90.6184, 14.2247 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(243, 255, 18) }
```


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

```
.border{ border-color:rgb(243, 255, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8313, 90.6184, 14.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 18) }
```

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

```
.background{ background-color: rgb(243,  
255, 18) }
```

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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