

Converting Colors

XYZ(70.1472, 89.2327, 14.1883)

Have a look what the booklet for
XYZ(70.1472, 89.2327, 14.1883)
contains.

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Color

**XYZ(70.1472, 89.2327,
14.1883)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFF14
RGB	235, 255, 20
RGB Percent	92%, 100%, 8%
CMY	0.0784, 0.0000, 0.9215
CMYK	0.08, 0.00, 0.92, 0.00
HSL	65°, 100%, 54%
HSV	65°, 92%, 100%
XYZ	70.1472, 89.2327, 14.1883
YIQ	222.2300, 63.5150, -77.3250

Conversions

Conversions Part 2

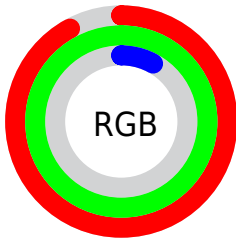
Format	Color
R _Y B	20, 255, 40
Decimal	15466260
CIE Lab	95.68, -29.52, 91.15
CIE LCh	96, 95.812, 107.944
Yxy	89.2327, 0.4041, 0.5141
Android (android.graphics.Color)	4293656340 (0xFFEBFF14)
YUV	222.2300, -99.6994, 11.1993
Hunter-Lab	94.4631, -32.7583, 57.2188

Details

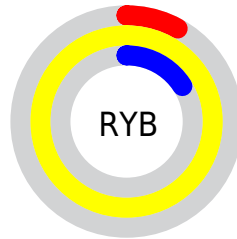
The XYZ color **70.1472, 89.2327, 14.1883** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **19.1767, 8.1728, 95.1745**, and the grayscale version is **70.2467, 73.9050, 80.4825**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **37.6496, 49.3868, 7.5483** is the 20% darker color. If you saturate the color by 10%, you get **69.4605, 88.8933, 13.4972**, and if you desaturate by 10%, it is **71.2255, 89.7473, 16.1049**.

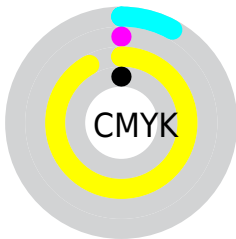
Distribution



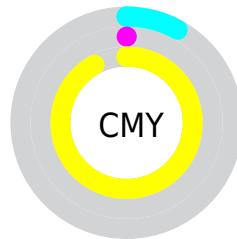
- Red (92%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (16%)



- Cyan (8%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.1472, 89.2327, 14.1883 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 70.1472, 89.2327, 14.1883 by changing the saturation by 10% instead.


 70.1472, 89.2327,
14.1883


 70.1472, 89.2327,
14.1883


450.3250,
525.5317, 229.8681

 51.9266, 67.3444,
8.1115


 118.4438,
146.2721, 34.1447

 37.1706, 49.3646,
4.0776


 149.2504,
182.1921, 48.8614


 25.5139, 34.9088,
1.6680


 184.9832,
223.5580, 67.2951

 16.5911, 23.5926,
0.3387

 226.0073,
270.7544, 89.8644

 10.0369, 15.0317,
0.0000

 272.6882,
324.1655, 116.9878

 5.4859, 8.8416,
0.0000

325.3912,

 2.5727, 4.6380,

384.1758, 149.0839

0.0000

384.4817,
451.1698, 186.5711

■ 0.9321, 2.0365,
0.0000

■ 0.0000, 0.6285,
0.0000

■ 70.1472, 89.2327,
14.1883

■ 70.1472, 89.2327,
14.1883


■ 69.4605, 88.8933,
13.4972


■ 71.2255, 89.7473,
16.1049


■ 72.6097, 90.3852,
19.5846


■ 74.3458, 91.1650,
24.8716


■ 76.4721, 92.1019,
32.1673

 79.0218, 93.2091,
41.6464

 82.0245, 94.4986,
53.4646

 85.5072, 95.9811,
67.7635

 89.4945, 97.6665,
84.6732

 94.0096, 99.5641,
104.3152

Harmonies

Analogous

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



95.8364, 89.2327, 13.1455



70.1472, 89.2327, 14.1883



52.4936, 89.2327, 28.7895

Triad

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



70.1472, 89.2327, 14.1883



55.2111, 89.2327, 249.5400



144.6060, 89.2327, 130.7100

Complementary

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



70.1472, 89.2327, 14.1883



19.1767, 8.1728, 95.1745

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.



128.2469, 89.2327, 230.2969



70.1472, 89.2327, 14.1883



74.6691, 89.2327, 319.2216

Square

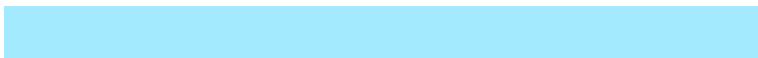
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1472, 89.2327, 14.1883



45.1801, 89.2327, 149.0461



101.3925, 89.2327, 310.7741



142.6927, 89.2327, 58.9739

Rectangle

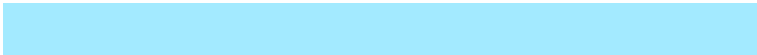
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1472, 89.2327, 14.1883



46.0016, 89.2327, 52.2385



101.3925, 89.2327, 310.7741



140.9421, 89.2327, 162.4334

Sweetspot

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



70.1471, 89.2326, 14.1894



83.4091, 95.0894, 59.0858



42.1121, 22.8018, 2.8446



17.5450, 20.2216, 11.3968



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.



70.1471, 89.2326, 14.1894



69.4605, 88.8933, 13.4972



43.3483, 75.4173, 12.9353



19.3997, 21.0075, 19.1767



36.3580, 46.4813, 7.0555



3.5831, 4.5479, 0.6890

Inverse Universe

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



19.1767, 8.1728, 95.1745



18.3744, 7.3872, 95.0652



32.2235, 14.8987, 95.7851



17.1463, 17.4516, 22.7147



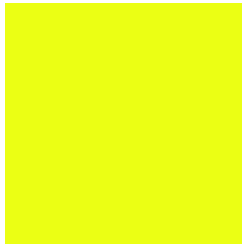
9.6500, 3.8852, 49.6759



0.9862, 0.4023, 4.8390

Previews

White Background



This preview shows how the XYZ color 70.1472, 89.2327, 14.1883 looks on a white background.

Color Contrast Check

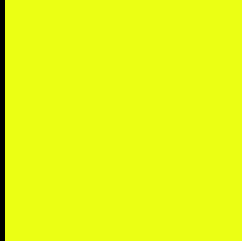
Large Text (above 18pt) WCAG AA × Fail

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 70.1472, 89.2327, 14.1883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

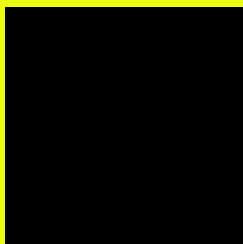
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1472, 89.2327, 14.1883

Background



This preview shows how black text looks on a background with the XYZ color 70.1472, 89.2327, 14.1883.

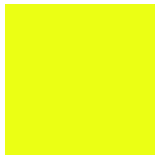


This preview shows how white text looks on a background with the XYZ color 70.1472, 89.2327,

Color Blindness Simulation

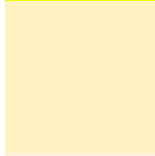
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.1472, 89.2327, 14.1883



Protanopia

82.5066, 88.5700, 62.6163



Deuteranopia

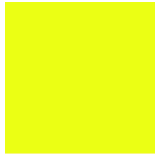
85.5849, 88.8541, 81.7470



Tritanopia

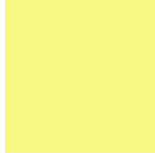
88.8422, 88.6710, 107.0405

Trichromacy



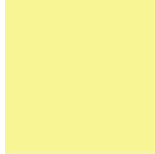
Original Color

70.1472, 89.2327, 14.1883



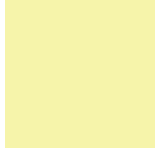
Protanomaly

75.9346, 88.0630, 33.7646



Deuteranomaly

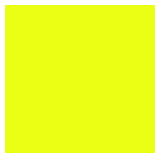
76.7886, 87.4312, 41.2625



Tritanomaly

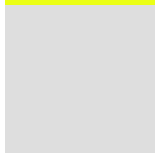
77.6124, 87.1965, 50.7702

Monochromacy



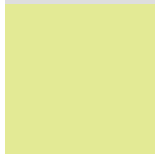
Original Color

70.1472, 89.2327, 14.1883



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.5262, 77.3465, 39.8568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1472, 89.2327, 14.1883 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(235, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 20)  
}
```

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(235, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 20) }
```

Border

The CSS property to change the border of an element to XYZ 70.1472, 89.2327, 14.1883 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(235, 255, 20) }
```


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

```
.border{ border-color:rgb(235, 255, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1472, 89.2327, 14.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 20) }
```

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

```
.background{ background-color: rgb(235,  
255, 20) }
```

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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