

Converting Colors

XYZ(70.3489, 88.1577, 13.3084)

Have a look what the booklet for
XYZ(70.3489, 88.1577, 13.3084)
contains.

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Color

**XYZ(70.0703, 87.7980,
13.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFC00
RGB	238, 252, 0
RGB Percent	93%, 99%, 0%
CMY	0.0667, 0.0117, 0.9998
CMYK	0.06, 0.00, 1.00, 0.01
HSL	63°, 100%, 49%
HSV	63°, 100%, 99%
XYZ	70.0703, 87.7980, 13.2536
YIQ	219.0860, 72.5480, -81.3400

Conversions

Conversions Part 2

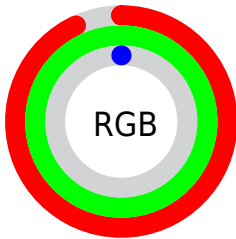
Format	Color
RYB	0, 252, 14
Decimal	15662080
CIELab	95.08, -27.09, 92.39
CIELCh	95, 96.281, 106.342
Yxy	87.7980, 0.4095, 0.5131
Android (android.graphics.Color)	4293852160 (0xFFEEFC00)
YUV	219.0860, -108.0094, 16.5876
Hunter-Lab	93.7006, -30.4918, 57.2041

Details

The XYZ color **70.0703, 87.7980, 13.2536** 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 **17.7540, 7.1233, 92.5402**, and the grayscale version is **68.0880, 71.6339, 78.0093**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **37.8714, 48.8270, 7.4285** is the 20% darker color. If you saturate the color by 10%, you get **70.0714, 87.8016, 13.2543**, and if you desaturate by 10%, it is **70.7224, 88.1167, 14.2141**.

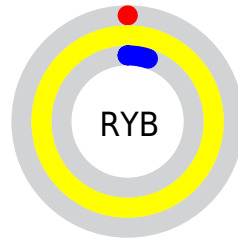
Distribution



Red (93%)

Green (99%)

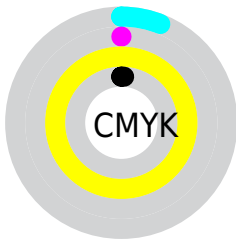
Blue (0%)



Red (0%)

Yellow (99%)

Blue (5%)

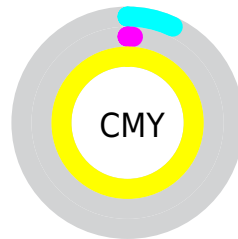


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (7%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0703, 87.7980, 13.2536 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 70.0703, 87.7980, 13.2536 by changing the saturation by 10% instead.


 70.0703, 87.7980,
13.2536

 70.0703, 87.7980,
13.2536

450.0594,
520.8415, 223.8012

 51.8637, 66.1558,
7.4706


 118.3347,
144.2759, 32.4565

 37.1202, 48.3989,
3.6753


 149.1232,
179.8804, 46.7135


 25.4747, 34.1429,
1.4489


 184.8364,
220.9077, 64.6322

 16.5617, 23.0034,
0.1794

 225.8395,
267.7424, 86.6313

 10.0158, 14.5960,
0.0000

 272.4980,
320.7687, 113.1292

 5.4718, 8.5363,
0.0000

 325.1773,

 2.5642, 4.4400,

380.3710, 144.5444

0.0000

384.2426,
446.9338, 181.2956

■ 0.9278, 1.9226,
0.0000

■ 0.0000, 0.5619,
0.0000

■ 70.0703, 87.7980,
13.2536

■ 70.0703, 87.7980,
13.2536

■ 70.0714, 87.8016,
13.2543

■ 70.7224, 88.1167,
14.2141

■ 71.6055, 88.5249,
16.3806

■ 72.7919, 89.0548,
20.1250

■ 74.3243, 89.7236,
25.6723

■ 76.2387, 90.5456,
33.2118

■ 78.5664, 91.5334,
42.9085

■ 81.3356, 92.6982,
54.9105

■ 84.5718, 94.0502,
69.3526

■ 88.2988, 95.5990,
86.3594

Harmonies

Analogous

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



95.9106, 87.7980, 12.7909



70.0703, 87.7980, 13.2536



52.0685, 87.7980, 26.6095

Triad

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



70.0703, 87.7980, 13.2536



53.2955, 87.7980, 242.4514



142.5531, 87.7980, 133.8444

Complementary

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



70.0703, 87.7980, 13.2536



17.7540, 7.1233, 92.5402

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.



125.4287, 87.7980, 233.6787



70.0703, 87.7980, 13.2536



72.1171, 87.7980, 315.2964

Square

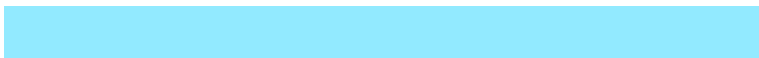
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0703, 87.7980, 13.2536



43.8616, 87.7980, 142.1753



98.4315, 87.7980, 311.4394



141.6827, 87.7980, 60.4964

Rectangle

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



70.0703, 87.7980, 13.2536



45.3082, 87.7980, 48.6267



98.4315, 87.7980, 311.4394



138.5786, 87.7980, 165.9121

Sweetspot

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



70.0723, 87.8021, 13.2554



83.5388, 95.2168, 56.3589



40.2868, 20.9754, 1.9264



17.6118, 20.2674, 10.8868



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.



70.0723, 87.8021, 13.2554



71.9755, 90.1898, 13.6149



41.6775, 73.1640, 11.9266



18.6265, 20.1387, 18.3678



36.5414, 45.7560, 6.9059



3.4126, 4.2524, 0.6409

Inverse Universe

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



17.7540, 7.1233, 92.5402



18.2338, 7.3148, 95.0586



28.1565, 12.4860, 93.0270



16.3723, 16.6890, 21.7437



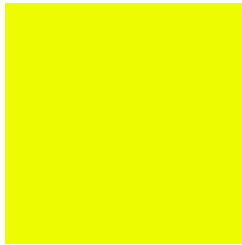
9.2841, 3.7288, 48.2040



0.8903, 0.3610, 4.4659

Previews

White Background



This preview shows how the XYZ color 70.0703, 87.7980, 13.2536 looks on a white background.

Color Contrast Check

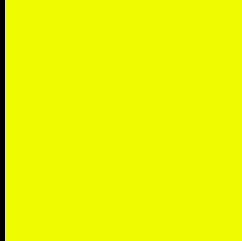
Large Text (above 18pt) WCAG AA × Fail

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 70.0703, 87.7980, 13.2536 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 70.0703, 87.7980, 13.2536

Background



This preview shows how black text looks on a background with the XYZ color 70.0703, 87.7980, 13.2536.

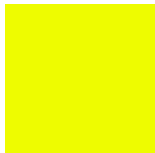


This preview shows how white text looks on a background with the XYZ color 70.0703, 87.7980,

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



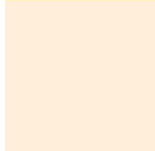
Original Color

70.0703, 87.7980, 13.2536



Protanopia

81.2425, 87.5895, 57.4243



Deuteranopia

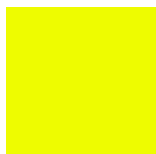
84.3389, 87.4188, 78.0740



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

70.0703, 87.7980, 13.2536



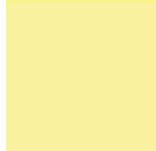
Protanomaly

74.8717, 86.7055, 29.3127



Deuteranomaly

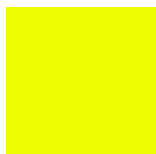
75.7050, 86.0759, 36.6690



Tritanomaly

76.8674, 85.5884, 45.7266

Monochromacy



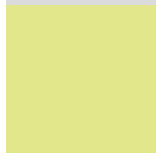
Original Color

70.0703, 87.7980, 13.2536



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.6001, 75.1847, 35.5334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0703, 87.7980, 13.2536 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(238, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 252, 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(238, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 70.0703, 87.7980, 13.2536 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(238, 252, 0) }
```


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

```
.border{ border-color:rgb(238, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 252,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0703, 87.7980, 13.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 252, 0) }
```

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

```
.background{ background-color: rgb(238,  
252, 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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