

Converting Colors

XYZ(62.7624, 72.0653, 10.4932)

Have a look what the booklet for
XYZ(62.7624, 72.0653, 10.4932)
contains.

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Color

**XYZ(62.5908, 71.8366,
10.5670)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E000
RGB	240, 224, 0
RGB Percent	94%, 88%, 0%
CMY	0.0588, 0.1215, 0.9999
CMYK	0.00, 0.07, 1.00, 0.06
HSL	56°, 100%, 47%
HSV	56°, 100%, 94%
XYZ	62.5908, 71.8366, 10.5670
YIQ	203.2480, 81.4400, -66.2720

Conversions

Conversions Part 2

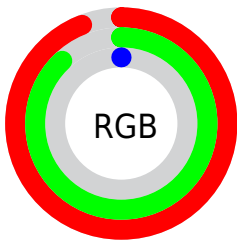
Format	Color
R_{YB}	17, 240, 0
Decimal	15785984
CIE _{Lab}	87.89, -12.80, 87.21
CIE _{LCh}	88, 88.145, 98.347
Yxy	71.8366, 0.4317, 0.4954
Android (android.graphics.Color)	4293976064 (0xFFFF0E000)
YUV	203.2480, -100.2013, 32.2315
Hunter-Lab	84.7565, -16.5055, 51.9376

Details

The XYZ color **62.5908, 71.8366, 10.5670** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **15.9141, 6.6627, 82.8845**, and the grayscale version is **57.4994, 60.4938, 65.8778**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **32.7784, 37.9596, 5.5993** is the 20% darker color. If you saturate the color by 10%, you get **62.5917, 71.8388, 10.5673**, and if you desaturate by 10%, it is **63.1894, 72.7699, 11.5814**.

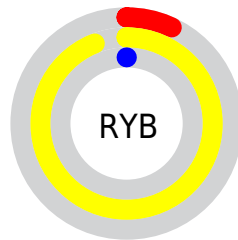
Distribution



Red (94%)

Green (88%)

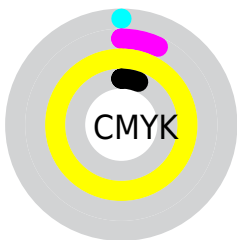
Blue (0%)



Red (7%)

Yellow (94%)

Blue (0%)

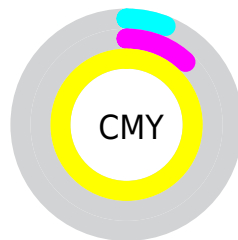


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5908, 71.8366, 10.5670 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 62.5908, 71.8366, 10.5670 by changing the saturation by 10% instead.


 62.5908, 71.8366,
10.5670

 62.5908, 71.8366,
10.5670


423.7662,
466.9727, 205.3020

 45.7677, 53.0252,
5.6660


 107.6641,
121.8242, 27.4810


 32.2664, 37.8229,
2.5776


 136.6449,
153.7692, 40.3310


 21.7216, 25.8453,
0.8809


 170.4090,
190.8608, 56.6678

 13.7679, 16.7079,
0.0000

 209.3218,
233.4835, 76.9099

 8.0400, 10.0265,
0.0000

 253.7485,
282.0216, 101.4758

 4.1726, 5.4165,
0.0000

 304.0546,

 1.8002, 2.4937,

336.8596, 130.7841

0.0000

360.6054,
398.3818, 165.2533

■ 0.5178, 0.8735,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.5908, 71.8366,
10.5670

■ 62.5908, 71.8366,
10.5670

■ 62.5917, 71.8388,
10.5673

■ 63.1894, 72.7699,
11.5814

■ 63.9943, 73.7894,
13.6696

■ 65.0709, 74.9241,
17.1684

■ 66.4571, 76.1891,
22.2772

■ 68.1846, 77.5973,
29.1633

■ 70.2812, 79.1596,
37.9731

■ 72.7720, 80.8862,
48.8380

■ 75.6796, 82.7861,
61.8776

■ 79.0250, 84.8677,
77.2026

Harmonies

Analogous

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



84.2622, 71.8366, 12.4970



62.5908, 71.8366, 10.5670



46.1937, 71.8366, 18.1114

Triad

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



62.5908, 71.8366, 10.5670



41.2876, 71.8366, 173.9595



113.0272, 71.8366, 129.0291

Complementary

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



62.5908, 71.8366, 10.5670



15.9141, 6.6627, 82.8845

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.



96.4733, 71.8366, 208.2253



62.5908, 71.8366, 10.5670



54.4558, 71.8366, 242.1136

Square

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



62.5908, 71.8366, 10.5670



35.6509, 71.8366, 96.2077



74.3008, 71.8366, 257.1209



116.4446, 71.8366, 62.6232

Rectangle

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



62.5908, 71.8366, 10.5670



39.3863, 71.8366, 31.9229



74.3008, 71.8366, 257.1209



108.6726, 71.8366, 155.8091

Sweetspot

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



62.5924, 71.8400, 10.5684



83.4813, 92.8047, 55.8963



36.0289, 18.5633, 2.1755



17.5979, 19.6797, 10.7741



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.



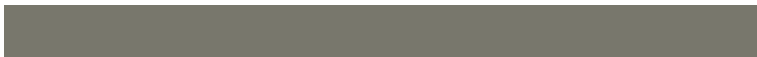
62.5924, 71.8400, 10.5684



71.8162, 82.4125, 12.1221



41.3154, 67.5549, 10.8628



17.0275, 18.2680, 16.7784



34.3033, 39.4046, 5.7979



2.8807, 3.3320, 0.4913

Inverse Universe

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



15.9141, 6.6627, 82.8845



18.2504, 7.6207, 95.1168



21.4393, 9.2360, 83.0900



14.9818, 15.3978, 19.9040



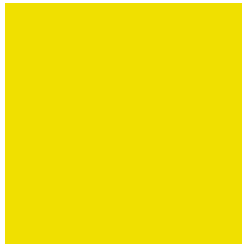
8.7442, 3.7126, 45.3836



0.7568, 0.3677, 3.7853

Previews

White Background



This preview shows how the XYZ color 62.5908, 71.8366, 10.5670 looks on a white background.

Color Contrast Check

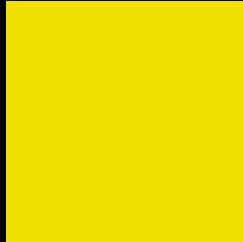
Large Text (above 18pt) WCAG AA × Fail

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 62.5908, 71.8366, 10.5670 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 62.5908, 71.8366, 10.5670

Background



This preview shows how black text looks on a background with the XYZ color 62.5908, 71.8366, 10.5670.

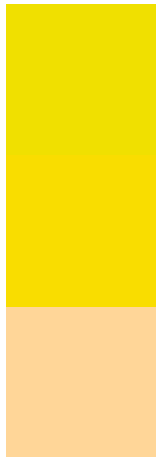


This preview shows how white text looks on a background with the XYZ color 62.5908, 71.8366,

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

62.5908, 71.8366, 10.5670

Protanopia

64.9234, 71.8526, 10.4471

Deuteranopia

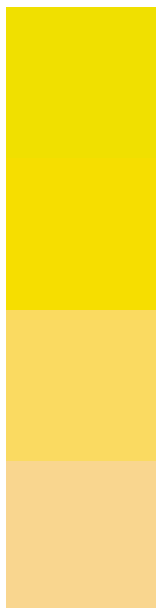
70.9541, 71.6201, 39.7901



Tritanopia

76.8835, 71.5644, 80.2821

Trichromacy



Original Color

62.5908, 71.8366, 10.5670

Protanomaly

64.1273, 71.8354, 10.4857

Deuteranomaly

66.6534, 71.3299, 21.5643

Tritanomaly

68.0714, 70.2160, 35.9519

Monochromacy



Original Color

62.5908, 71.8366, 10.5670

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.5756, 62.7724, 29.9560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5908, 71.8366, 10.5670 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(240, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 224, 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(240, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 62.5908, 71.8366, 10.5670 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(240, 224, 0) }
```


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

```
.border{ border-color:rgb(240, 224, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 224, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 224,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5908, 71.8366, 10.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 224, 0) }
```

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

```
.background{ background-color: rgb(240,  
224, 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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