

Converting Colors

XYZ(68.6993, 78.1158, 15.2994)

Have a look what the booklet for
XYZ(68.6993, 78.1158, 15.2994)
contains.

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Color

**XYZ(68.6621, 78.1484,
15.3362)**

Conversions

Conversions Part 1

Format	Color
Hex	F9E839
RGB	249, 232, 57
RGB Percent	98%, 91%, 22%
CMY	0.0235, 0.0902, 0.7764
CMYK	0.00, 0.07, 0.77, 0.02
HSL	55°, 94%, 60%
HSV	55°, 77%, 98%
XYZ	68.6621, 78.1484, 15.3362
YIQ	217.1330, 66.3070, -50.8210

Conversions

Conversions Part 2

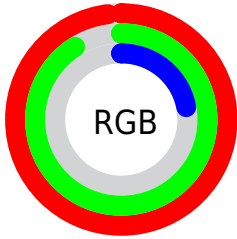
Format	Color
R_{YB}	76, 249, 57
Decimal	16377913
CIE _{Lab}	90.85, -11.91, 80.16
CIE _{LCh}	91, 81.040, 98.452
Yxy	78.1484, 0.4235, 0.4820
Android (android.graphics.Color)	4294567993 (0xFFFF9E839)
YUV	217.1330, -78.9456, 27.9474
Hunter-Lab	88.4016, -16.0606, 51.5953

Details

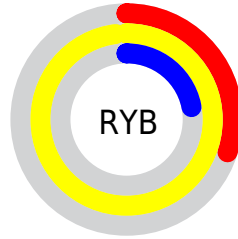
The XYZ color **68.6621, 78.1484, 15.3362** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **21.2353, 12.6072, 90.9362**, and the grayscale version is **66.5395, 70.0048, 76.2352**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **36.4612, 42.1356, 6.2113** is the 20% darker color. If you saturate the color by 10%, you get **67.5708, 76.7285, 12.6229**, and if you desaturate by 10%, it is **70.0689, 79.7130, 19.6573**.

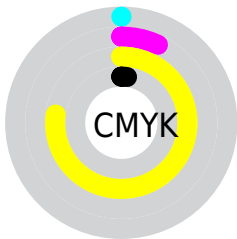
Distribution



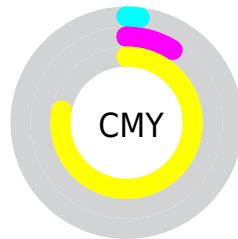
- Red (98%)
- Green (91%)
- Blue (22%)



- Red (30%)
- Yellow (98%)
- Blue (22%)



- Cyan (0%)
- Magenta (7%)
- Yellow (77%)
- Black (2%)



- Cyan (2%)
- Magenta (9%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6621, 78.1484, 15.3362 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 68.6621, 78.1484, 15.3362 by changing the saturation by 10% instead.

68.6621, 78.1484,
15.3362

68.6621, 78.1484,
15.3362

445.1783,
488.6707, 237.1027

50.7122, 58.1959,
8.9064

116.3355,
130.7593, 36.1925

36.1997, 41.9662,
4.5842

146.7898,
164.1865, 51.4561

24.7593, 29.0748,
1.9510

182.1429,
202.8740, 70.5015

16.0256, 19.1374,
0.5249

222.7602,
247.2063, 93.7471

9.6332, 11.7696,
0.0000

269.0070,
297.5677, 121.6114

5.2169, 6.5870,
0.0000

321.2487,

2.4111, 3.2052,

354.3426, 154.5131

0.0000

379.8507,
417.9155, 192.8707

■ 0.8507, 1.2398,
0.0000

■ 0.0000, 0.0938,
0.0000

■ 68.6621, 78.1484,
15.3362

■ 68.6621, 78.1484,
15.3362

■ 67.5708, 76.7285,
12.6229

■ 70.0689, 79.7130,
19.6573

■ 66.7394, 75.4219,
11.2473

■ 71.8253, 81.4269,
25.7882

■ 66.5251, 75.0565,
10.9811

■ 73.9664, 83.3072,
33.9064

■ 76.5216, 85.3658,
44.1669

■ 79.5176, 87.6133,
56.7095

■ 82.9787, 90.0595,
71.6620

■ 86.9274, 92.7134,
89.1428

■ 91.1897, 95.5056,
108.2360

■ 91.8772, 96.8806,
108.4651

Harmonies

Analogous

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



89.6297, 78.1484, 17.5499



68.6621, 78.1484, 15.3362



52.4649, 78.1484, 23.9654

Triad

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



68.6621, 78.1484, 15.3362



47.6079, 78.1484, 175.7692



117.0427, 78.1484, 133.3569

Complementary

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



68.6621, 78.1484, 15.3362



21.2353, 12.6072, 90.9362

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.



101.4269, 78.1484, 206.8087



68.6621, 78.1484, 15.3362



60.7872, 78.1484, 238.1044

Square

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



68.6621, 78.1484, 15.3362



41.8518, 78.1484, 102.6865



80.1914, 78.1484, 251.5110



120.2049, 78.1484, 69.6287

Rectangle

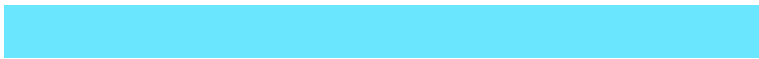
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6621, 78.1484, 15.3362



45.6226, 78.1484, 38.8215



80.1914, 78.1484, 251.5110



112.9547, 78.1484, 158.4058

Sweetspot

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



68.6639, 78.1521, 15.3378



85.3700, 93.5141, 65.9842



41.8419, 23.5913, 9.2235



18.0005, 19.8205, 12.9564



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.



68.6639, 78.1521, 15.3378



70.7738, 80.1549, 12.3071



51.6719, 76.8400, 15.9801



18.5883, 19.9125, 18.3262



35.6642, 40.2851, 5.8961



3.3405, 3.8059, 0.5585

Inverse Universe

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



21.2353, 12.6072, 90.9362



19.0169, 8.7877, 95.3016



28.3626, 14.8188, 90.9874



16.4065, 16.8899, 21.7806



9.3486, 4.0528, 48.2631



0.9065, 0.4567, 4.4835

Previews

White Background



This preview shows how the XYZ color 68.6621, 78.1484, 15.3362 looks on a white background.

Color Contrast Check

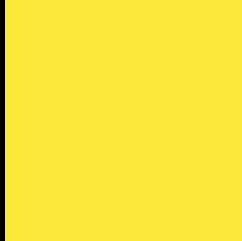
Large Text (above 18pt) WCAG AA × Fail

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 68.6621, 78.1484, 15.3362 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 68.6621, 78.1484, 15.3362

Background



This preview shows how black text looks on a background with the XYZ color 68.6621, 78.1484, 15.3362.



This preview shows how white text looks on a background with the XYZ color 68.6621, 78.1484,

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

68.6621, 78.1484, 15.3362

Protanopia

70.9390, 77.9705, 20.1150

Deuteranopia

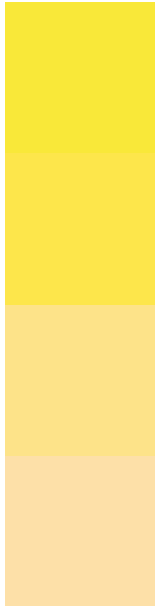
76.4429, 77.9902, 55.8244



Tritanopia

81.1370, 77.7492, 87.0747

Trichromacy



Original Color

68.6621, 78.1484, 15.3362

Protanomaly

70.0748, 77.9843, 18.0157

Deuteranomaly

72.4925, 77.6270, 34.8297

Tritanomaly

74.2316, 77.0211, 47.9999

Monochromacy



Original Color

68.6621, 78.1484, 15.3362

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.6924, 71.4038, 43.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6621, 78.1484, 15.3362 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(249, 232, 57)` looks like.

```
.text, #text, p{  
    color:rgb(249, 232, 57)  
}
```

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(249, 232, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 232, 57) }
```

Border

The CSS property to change the border of an element to XYZ 68.6621, 78.1484, 15.3362 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(249, 232, 57) }
```


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

```
.border{ border-color:rgb(249, 232, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 232, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 232, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 232, 57);  
box-shadow:4px 4px 4px 4px rgb(249, 232,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6621, 78.1484, 15.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 232, 57) }
```

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

```
.background{ background-color: rgb(249,  
232, 57) }
```

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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