

Converting Colors

XYZ(62.7468, 76.9527, 11.8401)

Have a look what the booklet for
XYZ(62.7468, 76.9527, 11.8401)
contains.

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Color

**XYZ(62.6834, 76.8358,
11.8142)**

Conversions

Conversions Part 1

Format	Color
Hex	E6EC0A
RGB	230, 236, 10
RGB Percent	90%, 93%, 4%
CMY	0.0980, 0.0745, 0.9606
CMYK	0.03, 0.00, 0.96, 0.07
HSL	62°, 92%, 48%
HSV	62°, 96%, 93%
XYZ	62.6834, 76.8358, 11.8142
YIQ	208.4420, 68.9700, -71.5580

Conversions

Conversions Part 2

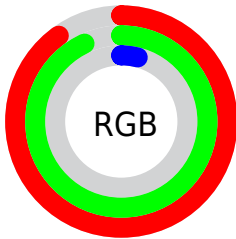
Format	Color
RYB	10, 236, 16
Decimal	15133706
CIELab	90.25, -22.74, 87.79
CIELCh	90, 90.688, 104.520
Yxy	76.8358, 0.4142, 0.5077
Android (android.graphics.Color)	4293323786 (0xFFE6EC0A)
YUV	208.4420, -97.8319, 18.9064
Hunter-Lab	87.6560, -25.7515, 53.3682

Details

The XYZ color **62.6834, 76.8358, 11.8142** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **15.4645, 6.3848, 79.7790**, and the grayscale version is **60.8303, 63.9982, 69.6941**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **32.8988, 41.1886, 6.2162** is the 20% darker color. If you saturate the color by 10%, you get **62.5446, 76.7733, 11.5223**, and if you desaturate by 10%, it is **63.1154, 77.0348, 13.0286**.

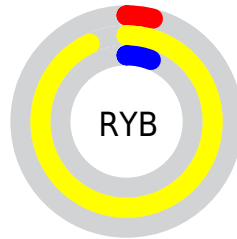
Distribution



Red (90%)

Green (93%)

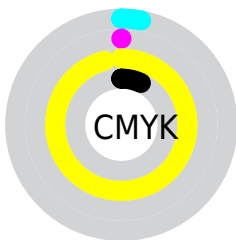
Blue (4%)



Red (4%)

Yellow (93%)

Blue (6%)

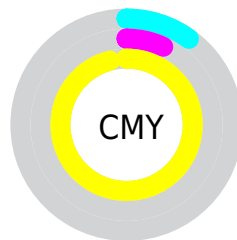


Cyan (3%)

Magenta (0%)

Yellow (96%)

Black (7%)



Cyan (10%)


Magenta (7%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6834, 76.8358, 11.8142 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 62.6834, 76.8358, 11.8142 by changing the saturation by 10% instead.


 62.6834, 76.8358,
11.8142

 62.6834, 76.8358,
11.8142


424.0975,
484.2040, 214.1054


 45.8428, 57.1181,
6.4963


 107.7970,
128.9077, 29.8156

 32.3259, 41.1001,
3.0755


 136.8007,
162.0306, 43.3361


 21.7673, 28.3973,
1.1333


 170.5896,
200.3909, 60.4279

 13.8017, 18.6254,
0.0000

 209.5288,
244.3727, 81.5096

 8.0636, 11.3999,
0.0000

 253.9839,
294.3605, 106.9997

 4.1878, 6.3365,
0.0000

 304.3201,

 1.8089, 3.0507,

350.7387, 137.3166

0.0000

360.9029,
413.8918, 172.8790

■ 0.5230, 1.1583,
0.0000

■ 0.0000, 0.0272,
0.0000

■ 62.6834, 76.8358,
11.8142

■ 62.6834, 76.8358,
11.8142

■ 62.5446, 76.7733,
11.5223

■ 63.1154, 77.0348,
13.0286

■ 63.7787, 77.3235,
15.4652

■ 64.7166, 77.7221,
19.3434

■ 65.9623, 78.2440,
24.8394

■ 67.5448, 78.9006,
32.1044

■ 69.4892, 79.7021,
41.2722

■ 71.8188, 80.6577,
52.4638

■ 74.5544, 81.7758,
65.7900

■ 77.7157, 83.0643,
81.3538

Harmonies

Analogous

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



85.2323, 76.8358, 11.9608



62.6834, 76.8358, 11.8142



46.6380, 76.8358, 22.6606

Triad

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



62.6834, 76.8358, 11.8142



46.2582, 76.8358, 204.5242



123.3291, 76.8358, 121.3985

Complementary

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



62.6834, 76.8358, 11.8142



15.4645, 6.3848, 79.7790

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.



107.8699, 76.8358, 207.2050



62.6834, 76.8358, 11.8142



62.0519, 76.8358, 269.6251

Square

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



62.6834, 76.8358, 11.8142



38.5672, 76.8358, 118.8415



84.4570, 76.8358, 270.8014



123.5959, 76.8358, 56.2146

Rectangle

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



62.6834, 76.8358, 11.8142



40.4485, 76.8358, 40.7844



84.4570, 76.8358, 270.8014



119.6148, 76.8358, 149.3057

Sweetspot

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



62.6851, 76.8394, 11.8158



84.6261, 95.7473, 57.7638



34.8035, 18.1647, 1.9599



17.8611, 20.3903, 11.1527



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.



62.6851, 76.8394, 11.8158



74.5500, 91.5170, 13.7353



37.6949, 63.9564, 10.6463



16.3100, 17.6054, 16.0573



34.4922, 42.3259, 6.3518



2.7210, 3.3301, 0.4994

Inverse Universe

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



15.4645, 6.3848, 79.7790



18.1349, 7.2637, 95.0540



23.9708, 10.7700, 80.1771



14.2682, 14.5680, 18.9821



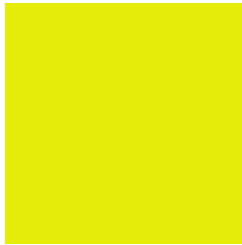
8.4059, 3.3693, 43.9503



0.6732, 0.2713, 3.4518

Previews

White Background



This preview shows how the XYZ color 62.6834, 76.8358, 11.8142 looks on a white background.

Color Contrast Check

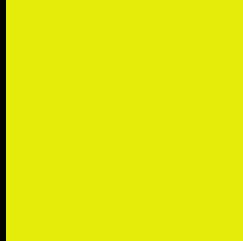
Large Text (above 18pt) WCAG AA × Fail

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 62.6834, 76.8358, 11.8142 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 62.6834, 76.8358, 11.8142

Background



This preview shows how black text looks on a background with the XYZ color 62.6834, 76.8358, 11.8142.



This preview shows how white text looks on a background with the XYZ color 62.6834, 76.8358,

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

62.6834, 76.8358, 11.8142

Protanopia

69.2635, 76.4199, 14.0057

Deuteranopia

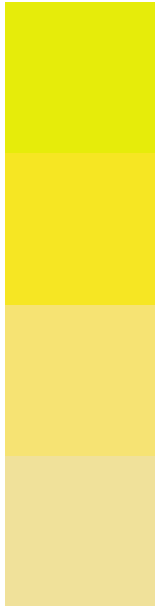
75.0991, 76.5977, 51.3841



Tritanopia

78.6236, 76.3703, 90.7178

Trichromacy



Original Color

62.6834, 76.8358, 11.8142

Protanomaly

66.6062, 76.3078, 12.8085

Deuteranomaly

68.5696, 75.7688, 27.2305

Tritanomaly

68.6931, 74.7088, 41.3716

Monochromacy



Original Color

62.6834, 76.8358, 11.8142

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

57.8342, 66.5193, 33.0839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6834, 76.8358, 11.8142 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(230, 236, 10)` looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 10)  
}
```

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(230, 236, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 10) }
```

Border

The CSS property to change the border of an element to XYZ 62.6834, 76.8358, 11.8142 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(230, 236, 10) }
```


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

```
.border{ border-color:rgb(230, 236, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 236, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 10);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6834, 76.8358, 11.8142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 10) }
```

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

```
.background{ background-color: rgb(230,  
236, 10) }
```

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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