

Converting Colors

XYZ(62.2705, 75.9772, 15.6627)

Have a look what the booklet for
XYZ(62.2705, 75.9772, 15.6627)
contains.

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Color

**XYZ(62.2025, 76.0738,
15.6803)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EB3C
RGB	227, 235, 60
RGB Percent	89%, 92%, 24%
CMY	0.1098, 0.0784, 0.7647
CMYK	0.03, 0.00, 0.74, 0.08
HSL	63°, 81%, 58%
HSV	63°, 74%, 92%
XYZ	62.2025, 76.0738, 15.6803
YIQ	212.6580, 51.4070, -56.1210

Conversions

Conversions Part 2

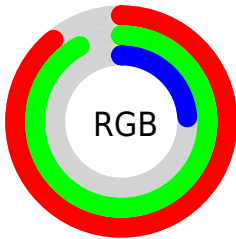
Format	Color
R _Y B	60, 235, 68
Decimal	14936892
CIE Lab	89.89, -22.33, 77.74
CIE LCh	90, 80.888, 106.029
Yxy	76.0738, 0.4040, 0.4941
Android (android.graphics.Color)	4293126972 (0xFFE3EB3C)
YUV	212.6580, -75.2604, 12.5779
Hunter-Lab	87.2203, -25.3355, 50.3952

Details

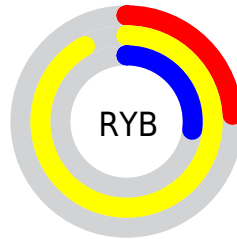
The XYZ color **62.2025, 76.0738, 15.6803** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **18.9974, 10.4605, 79.6198**, and the grayscale version is **63.4822, 66.7882, 72.7323**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **32.2685, 40.5650, 6.1291** is the 20% darker color. If you saturate the color by 10%, you get **61.3766, 75.7072, 13.0880**, and if you desaturate by 10%, it is **63.3097, 76.5588, 19.7274**.

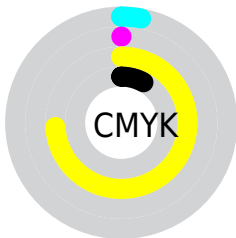
Distribution



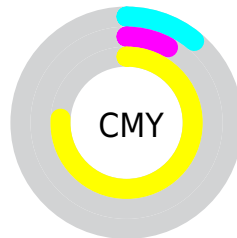
- Red (89%)
- Green (92%)
- Blue (24%)



- Red (24%)
- Yellow (92%)
- Blue (27%)



- Cyan (3%)
- Magenta (0%)
- Yellow (74%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2025, 76.0738, 15.6803 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 62.2025, 76.0738, 15.6803 by changing the saturation by 10% instead.

62.2025, 76.0738,
15.6803

62.2025, 76.0738,
15.6803

422.3752,
481.6003, 239.2287

45.4526, 56.4930,
9.1463

107.1064,
127.8312, 36.8013

32.0168, 40.5983,
4.7386

135.9911,
160.7767, 52.2254

21.5300, 28.0054,
2.0387

169.6515,
198.9458, 71.4500

13.6266, 18.3297,
0.5789

208.4528,
242.7230, 94.8936

7.9414, 11.1870,
0.0000

252.7605,
292.4926, 122.9747

4.1090, 6.1927,
0.0000

302.9399,

1.7640, 2.9626,

348.6391, 156.1119

0.0000

359.3563,
411.5469, 194.7237

■ 0.4958, 1.1123,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2025, 76.0738,
15.6803

■ 62.2025, 76.0738,
15.6803

■ 61.3766, 75.7072,
13.0880

■ 63.3097, 76.5588,
19.7274


■ 60.7870, 75.4326,
11.7371


■ 64.7253, 77.1646,
25.3952


■ 60.5293, 75.3081,
11.3457


■ 66.4791, 77.9059,
32.8323

■ 68.5957, 78.7926,
42.1693

 71.0977, 79.8337,
53.5244

 74.0057, 81.0374,
67.0065

 77.3388, 82.4114,
82.7162

 81.1151, 83.9630,
100.7482

 82.5773, 84.5891,
106.5828

Harmonies

Analogous

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



81.9897, 76.0738, 15.3454



62.2025, 76.0738, 15.6803



48.0188, 76.0738, 27.4958

Triad

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



62.2025, 76.0738, 15.6803



48.7655, 76.0738, 190.0114



116.3926, 76.0738, 112.3562

Complementary

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



62.2025, 76.0738, 15.6803



18.9974, 10.4605, 79.6198

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.



103.6498, 76.0738, 185.1910



62.2025, 76.0738, 15.6803



63.4162, 76.0738, 242.1810

Square

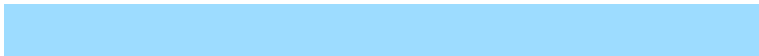
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.2025, 76.0738, 15.6803



41.2950, 76.0738, 117.1002



83.4480, 76.0738, 240.0951



115.9027, 76.0738, 56.0000

Rectangle

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



62.2025, 76.0738, 15.6803



42.5613, 76.0738, 45.6711



83.4480, 76.0738, 240.0951



113.4262, 76.0738, 136.0936

Sweetspot

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



62.2042, 76.0773, 15.6819



86.3591, 96.4153, 68.0304



37.0177, 21.8674, 6.5458



18.2920, 20.5570, 13.6760



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.



62.2042, 76.0773, 15.6819



73.4926, 90.9476, 14.7829



41.6253, 65.4685, 14.7188



16.2799, 17.5898, 16.0559



33.7160, 41.9257, 6.3154



2.6686, 3.3030, 0.4969

Inverse Universe

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



18.9974, 10.4605, 79.6198



19.2819, 8.4732, 95.2270



29.8137, 16.0365, 80.1260



14.2949, 14.5818, 18.9834



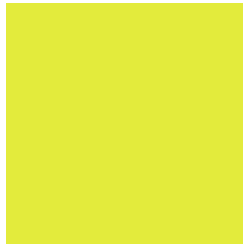
8.4493, 3.3917, 43.9523



0.6860, 0.2779, 3.4524

Previews

White Background



This preview shows how the XYZ color 62.2025, 76.0738, 15.6803 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 62.2025, 76.0738, 15.6803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

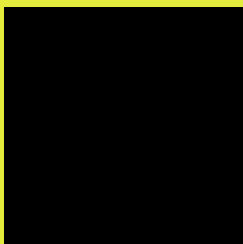
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

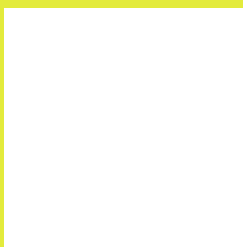
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.2025, 76.0738, 15.6803

Background



This preview shows how black text looks on a background with the XYZ color 62.2025, 76.0738, 15.6803.



This preview shows how white text looks on a background with the XYZ color 62.2025, 76.0738,

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

62.2025, 76.0738, 15.6803

Protanopia

68.8331, 75.7690, 15.0000

Deuteranopia

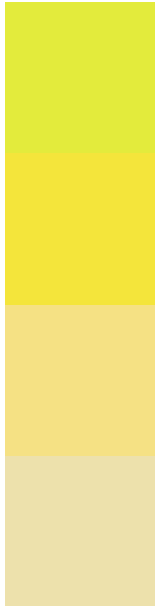
74.3760, 75.4635, 50.1810



Tritanopia

77.0898, 75.5964, 89.8854

Trichromacy



Original Color

62.2025, 76.0738, 15.6803

Protanomaly

66.1170, 75.5875, 15.2428

Deuteranomaly

68.7463, 74.9288, 32.6692

Tritanomaly

69.2967, 74.8335, 49.8217

Monochromacy



Original Color

62.2025, 76.0738, 15.6803

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

60.8557, 69.0527, 42.0193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2025, 76.0738, 15.6803 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(227, 235, 60)` looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 60)  
}
```

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(227, 235, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 60) }
```

Border

The CSS property to change the border of an element to XYZ 62.2025, 76.0738, 15.6803 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(227, 235, 60) }
```


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

```
.border{ border-color:rgb(227, 235, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 60);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2025, 76.0738, 15.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 60) }
```

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

```
.background{ background-color: rgb(227,  
235, 60) }
```

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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