

Converting Colors

XYZ(61.8104, 76.3623, 17.2385)

Have a look what the booklet for
XYZ(61.8104, 76.3623, 17.2385)
contains.

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Color

**XYZ(61.8414, 76.2804,
17.2586)**

Conversions

Conversions Part 1

Format	Color
Hex	E0EC46
RGB	224, 236, 70
RGB Percent	88%, 93%, 27%
CMY	0.1216, 0.0745, 0.7255
CMYK	0.05, 0.00, 0.70, 0.07
HSL	64°, 81%, 60%
HSV	64°, 70%, 93%
XYZ	61.8414, 76.2804, 17.2586
YIQ	213.4880, 46.1340, -54.1700

Conversions

Conversions Part 2

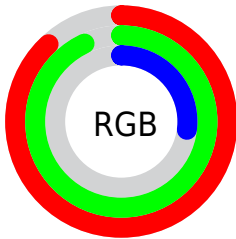
Format	Color
RYB	70, 236, 82
Decimal	14740550
CIELab	89.99, -23.59, 74.50
CIELCh	90, 78.148, 107.569
Yxy	76.2804, 0.3980, 0.4909
Android (android.graphics.Color)	4292930630 (0xFFE0EC46)
YUV	213.4880, -70.7396, 9.2190
Hunter-Lab	87.3387, -26.4531, 49.4210

Details

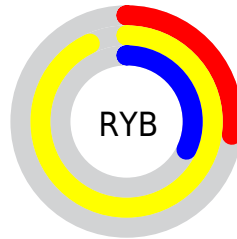
The XYZ color **61.8414, 76.2804, 17.2586** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **20.8126, 12.2320, 80.6257**, and the grayscale version is **64.0127, 67.3464, 73.3402**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **31.8383, 40.6418, 6.1666** is the 20% darker color. If you saturate the color by 10%, you get **60.7122, 75.7707, 14.0522**, and if you desaturate by 10%, it is **63.2720, 76.9169, 22.0091**.

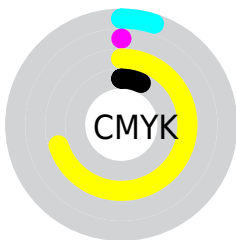
Distribution



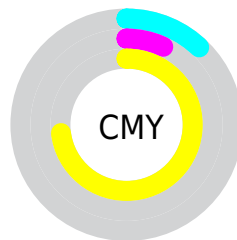
- Red (88%)
- Green (93%)
- Blue (27%)



- Red (27%)
- Yellow (93%)
- Blue (32%)



- Cyan (5%)
- Magenta (0%)
- Yellow (70%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8414, 76.2804, 17.2586 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 61.8414, 76.2804, 17.2586 by changing the saturation by 10% instead.

61.8414, 76.2804,
17.2586

61.8414, 76.2804,
17.2586

421.0791,
482.3070, 248.7524

45.1597, 56.6625,
10.2551

106.5875,
128.1232, 39.5666

31.7850, 40.7343,
5.4606

135.3826,
161.1168, 55.7082

21.3521, 28.1115,
2.4566

168.9462,
199.3378, 75.7329

13.4955, 18.4098,
0.8170

207.6436,
243.1706, 100.0593

7.8500, 11.2446,
0.0000

251.8403,
292.9995, 129.1059

4.0501, 6.2316,
0.0000

301.9015,

1.7305, 2.9864,

349.2089, 163.2913

0.0000

358.1927,
412.1833, 203.0340

■ 0.4753, 1.1246,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8414, 76.2804,
17.2586

■ 61.8414, 76.2804,
17.2586

■ 60.7122, 75.7707,
14.0522

■ 63.2720, 76.9169,
22.0091


■ 59.8426, 75.3627,
12.1928

■ 65.0294, 77.6819,
28.4604


■ 59.1913, 75.0446,
11.3653


■ 67.1422, 78.5897,
36.7551


■ 69.6344, 79.6498,
47.0196

 72.5278, 80.8711,
59.3693

 75.8428, 82.2616,
73.9105

 79.5981, 83.8289,
90.7422

 83.1916, 85.3321,
106.6938

 83.7664, 85.6284,
106.7207

Harmonies

Analogous

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



80.8100, 76.2804, 16.4058



61.8414, 76.2804, 17.2586



48.3620, 76.2804, 29.9114

Triad

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



61.8414, 76.2804, 17.2586



50.1849, 76.2804, 189.1400



115.2436, 76.2804, 108.1707

Complementary

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



61.8414, 76.2804, 17.2586



20.8126, 12.2320, 80.6257

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.



103.5768, 76.2804, 177.6887



61.8414, 76.2804, 17.2586



64.7843, 76.2804, 236.6197

Square

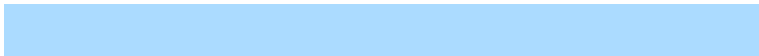
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.8414, 76.2804, 17.2586



42.5016, 76.2804, 119.5509



84.3228, 76.2804, 231.6863



114.0719, 76.2804, 54.8656

Rectangle

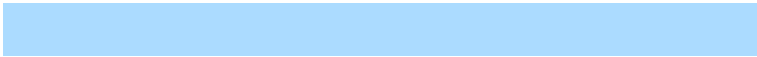
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.8414, 76.2804, 17.2586



43.2623, 76.2804, 48.6713



84.3228, 76.2804, 231.6863



112.6177, 76.2804, 130.7107

Sweetspot

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



61.8432, 76.2839, 17.2602



86.1850, 96.2910, 69.5799



38.6477, 24.1719, 8.4241



18.2341, 20.5205, 13.9758



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.



61.8432, 76.2839, 17.2602



71.9247, 90.1178, 15.6832



42.2479, 66.1822, 16.3431



16.2381, 17.5683, 16.0539



32.6728, 41.3879, 6.2666



2.5978, 3.2666, 0.4936

Inverse Universe

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



20.8126, 12.2320, 80.6257



20.4834, 9.6413, 95.3891



32.6567, 18.3379, 81.1799



14.3321, 14.6010, 18.9851



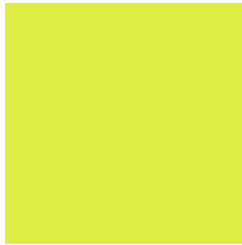
8.5130, 3.4245, 43.9553



0.7038, 0.2871, 3.4532

Previews

White Background



This preview shows how the XYZ color 61.8414, 76.2804, 17.2586 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 61.8414, 76.2804, 17.2586 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 61.8414, 76.2804, 17.2586

Background



This preview shows how black text looks on a background with the XYZ color 61.8414, 76.2804, 17.2586.



This preview shows how white text looks on a background with the XYZ color 61.8414, 76.2804,

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

61.8414, 76.2804, 17.2586

Protanopia

68.7478, 75.6927, 16.4556

Deuteranopia

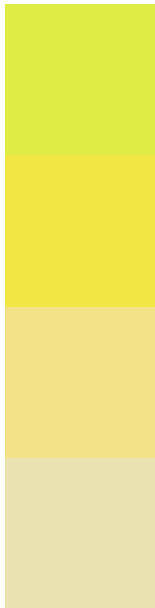
74.8343, 76.0680, 51.2958



Tritanopia

76.9610, 75.8847, 91.4799

Trichromacy



Original Color

61.8414, 76.2804, 17.2586

Protanomaly

65.9889, 75.9005, 16.8025

Deuteranomaly

69.0199, 75.4320, 34.5890

Tritanomaly

69.0639, 75.0595, 52.4428

Monochromacy



Original Color

61.8414, 76.2804, 17.2586

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

60.9047, 69.0378, 43.8338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8414, 76.2804, 17.2586 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(224, 236, 70)` looks like.

```
.text, #text, p{  
    color:rgb(224, 236, 70)  
}
```

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(224, 236, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 236, 70) }
```

Border

The CSS property to change the border of an element to XYZ 61.8414, 76.2804, 17.2586 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(224, 236, 70) }
```


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

```
.border{ border-color:rgb(224, 236, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 236, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 236, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 236, 70);  
box-shadow:4px 4px 4px 4px rgb(224, 236,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8414, 76.2804, 17.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 236, 70) }
```

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

```
.background{ background-color: rgb(224,  
236, 70) }
```

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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