

Converting Colors

XYZ(62.3431, 76.4310, 18.3134)

Have a look what the booklet for
XYZ(62.3431, 76.4310, 18.3134)
contains.

XYZ(62.3513, 76.5203, 18.3211)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.3513, 76.5203,
18.3211)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EC4C
RGB	225, 236, 76
RGB Percent	88%, 93%, 30%
CMY	0.1176, 0.0745, 0.7019
CMYK	0.05, 0.00, 0.68, 0.07
HSL	64°, 81%, 61%
HSV	64°, 68%, 93%
XYZ	62.3513, 76.5203, 18.3211
YIQ	214.4710, 44.8040, -52.0920

Conversions

Conversions Part 2

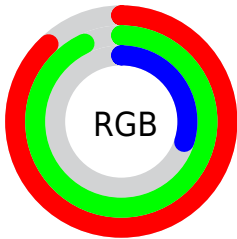
Format	Color
RYB	76, 236, 87
Decimal	14806092
CIELab	90.10, -22.88, 72.52
CIELCh	90, 76.041, 107.511
Yxy	76.5203, 0.3967, 0.4868
Android (android.graphics.Color)	4292996172 (0xFFE1EC4C)
YUV	214.4710, -68.2662, 9.2339
Hunter-Lab	87.4759, -25.8511, 48.8153

Details

The XYZ color **62.3513, 76.5203, 18.3211** 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 **21.6577, 13.2530, 80.7782**, and the grayscale version is **64.6610, 68.0284, 74.0829**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **32.0471, 40.7495, 6.1764** is the 20% darker color. If you saturate the color by 10%, you get **61.1736, 75.9938, 14.7409**, and if you desaturate by 10%, it is **63.8382, 77.1766, 23.4888**.

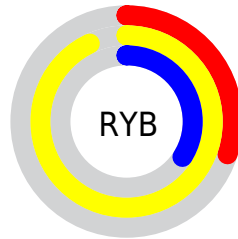
Distribution



Red (88%)

Green (93%)

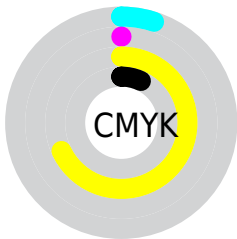
Blue (30%)



Red (30%)

Yellow (93%)

Blue (34%)

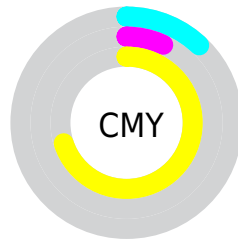


Cyan (5%)

Magenta (0%)

Yellow (68%)

Black (7%)



Cyan (12%)

Magenta (7%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3513, 76.5203, 18.3211 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 62.3513, 76.5203, 18.3211 by changing the saturation by 10% instead.

62.3513, 76.5203,
18.3211

62.3513, 76.5203,
18.3211

422.9085,
483.1269, 254.9714

45.5733, 56.8593,
11.0089

107.3202,
128.4621, 41.4050

32.1124, 40.8923,
5.9586

136.2417,
161.5117, 58.0139

21.6033, 28.2349,
2.7515

169.9419,
199.7928, 78.5587

13.6807, 18.5028,
0.9692

208.7860,
243.6900, 103.4580

7.9791, 11.3116,
0.0000

253.1393,
293.5877, 133.1304

4.1333, 6.2768,
0.0000

303.3673,

1.7778, 3.0141,

349.8701, 167.9944

0.0000

359.8352,
412.9217, 208.4686

■ 0.5043, 1.1391,
0.0000

■ 0.0000, 0.0111,
0.0000

■ 62.3513, 76.5203,
18.3211

■ 62.3513, 76.5203,
18.3211

■ 61.1736, 75.9938,
14.7409

■ 63.8382, 77.1766,
23.4888

■ 60.2650, 75.5727,
12.5604


■ 65.6585, 77.9641,
30.3948


■ 59.5799, 75.2416,
11.5323


■ 67.8400, 78.8965,
39.1775


■ 59.4431, 75.1744,
11.3771


■ 70.4061, 79.9834,
49.9604

 73.3783, 81.2333,
62.8561

 76.7764, 82.6541,
77.9691

 80.6189, 84.2532,
95.3969

 83.3030, 85.3895,
106.6990

 83.8506, 85.6718,
106.7247

Harmonies

Analogous

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



80.8610, 76.5203, 17.4760



62.3513, 76.5203, 18.3211



49.1240, 76.5203, 30.9986

Triad

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



62.3513, 76.5203, 18.3211



50.8748, 76.5203, 185.8187



114.2119, 76.5203, 107.8662

Complementary

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



62.3513, 76.5203, 18.3211



21.6577, 13.2530, 80.7782

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.



102.8967, 76.5203, 175.0447



62.3513, 76.5203, 18.3211



65.1636, 76.5203, 231.4977

Square

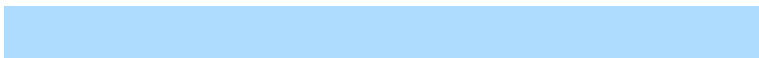
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.3513, 76.5203, 18.3211



43.3286, 76.5203, 118.6532



84.2014, 76.5203, 226.8718



113.1039, 76.5203, 55.8022

Rectangle

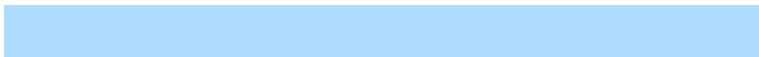
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.3513, 76.5203, 18.3211



44.0961, 76.5203, 49.5595



84.2014, 76.5203, 226.8718



111.6635, 76.5203, 129.7137

Sweetspot

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



62.3531, 76.5238, 18.3227



86.6201, 96.4803, 71.1839



39.2805, 25.1192, 9.6166



18.3223, 20.5592, 14.2875



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.



62.3531, 76.5238, 18.3227



72.5071, 90.4011, 16.4729



43.0389, 66.5670, 17.4188



16.2437, 17.5712, 16.0542



32.8095, 41.4584, 6.2730



2.6071, 3.2714, 0.4940

Inverse Universe

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



21.6577, 13.2530, 80.7782



21.1536, 10.4165, 95.5034



33.5933, 19.4060, 81.3368



14.3271, 14.5984, 18.9849



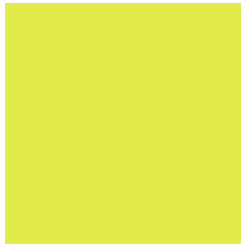
8.5037, 3.4197, 43.9548



0.7014, 0.2859, 3.4531

Previews

White Background



This preview shows how the XYZ color 62.3513, 76.5203, 18.3211 looks on a white background.

Color Contrast Check

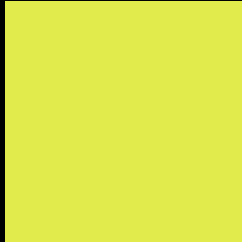
Large Text (above 18pt) WCAG AA × Fail

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 62.3513, 76.5203, 18.3211 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 62.3513, 76.5203, 18.3211

Background



This preview shows how black text looks on a background with the XYZ color 62.3513, 76.5203, 18.3211.



This preview shows how white text looks on a background with the XYZ color 62.3513, 76.5203,

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

62.3513, 76.5203, 18.3211

Protanopia

69.2131, 76.3152, 17.5610

Deuteranopia

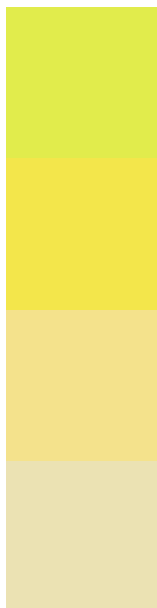
74.9329, 76.1075, 51.8151



Tritanopia

77.2242, 76.4112, 91.5676

Trichromacy



Original Color

62.3513, 76.5203, 18.3211

Protanomaly

66.5290, 76.1563, 17.8498

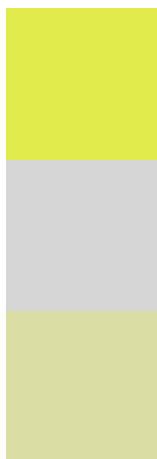
Deuteranomaly

69.2382, 75.5193, 35.7384

Tritanomaly

69.5940, 75.3096, 53.5160

Monochromacy



Original Color

62.3513, 76.5203, 18.3211

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.7356, 69.8283, 45.3464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3513, 76.5203, 18.3211 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(225, 236, 76)` looks like.

```
.text, #text, p{  
    color:rgb(225, 236, 76)  
}
```

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(225, 236, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 236, 76) }
```

Border

The CSS property to change the border of an element to XYZ 62.3513, 76.5203, 18.3211 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(225, 236, 76) }
```


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

```
.border{ border-color:rgb(225, 236, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 236, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 236, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 236, 76);  
box-shadow:4px 4px 4px 4px rgb(225, 236,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3513, 76.5203, 18.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 236, 76) }
```

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

```
.background{ background-color: rgb(225,  
236, 76) }
```

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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