

# Converting Colors

XYZ(61.8512, 76.1472, 23.4952)

Have a look what the booklet for  
XYZ(61.8512, 76.1472, 23.4952)  
contains.

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# Color

**XYZ(61.8109, 76.1266,  
23.4927)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCEC64
RGB	220, 236, 100
RGB Percent	86%, 93%, 39%
CMY	0.1373, 0.0745, 0.6078
CMYK	0.07, 0.00, 0.58, 0.07
HSL	67°, 78%, 66%
HSV	67°, 58%, 93%
XYZ	61.8109, 76.1266, 23.4927
YIQ	215.7120, 34.1200, -45.6880

# Conversions

## Conversions Part 2

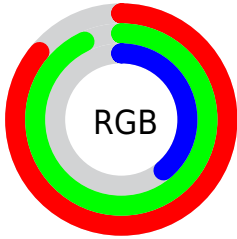
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">100, 236, 116</a>
Decimal	<a href="#">14478436</a>
CIELab	<a href="#">89.92, -23.35, 62.66</a>
CIELCh	<a href="#">90, 66.872, 110.440</a>
Yxy	<a href="#">76.1266, 0.3829, 0.4716</a>
Android (android.graphics.Color)	<a href="#">4292668516 (0xFFDCEC64)</a>
YUV	<a href="#">215.7120, -57.0460, 3.7606</a>
Hunter-Lab	<a href="#">87.2506, -26.2338, 45.1112</a>

# Details

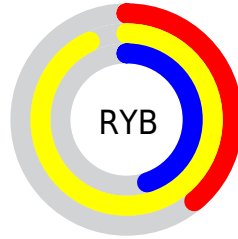
The XYZ color **61.8109, 76.1266, 23.4927** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.9025, 18.8853, 81.5887**, and the grayscale version is **65.4356, 68.8433, 74.9704**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **31.6576, 40.4983, 8.4339** is the 20% darker color. If you saturate the color by 10%, you get **59.9971, 75.3075, 18.2849**, and if you desaturate by 10%, it is **63.9731, 77.0922, 30.4465**.

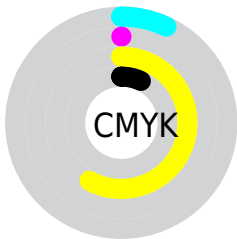
# Distribution



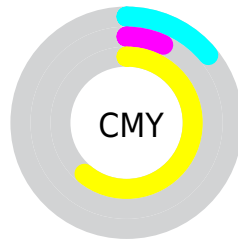
- Red (86%)
- Green (93%)
- Blue (39%)



- Red (39%)
- Yellow (93%)
- Blue (45%)



- Cyan (7%)
- Magenta (0%)
- Yellow (58%)
- Black (7%)



- Cyan (14%)
- Magenta (7%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8109, 76.1266, 23.4927 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 61.8109, 76.1266, 23.4927 by changing the saturation by 10% instead.



61.8109, 76.1266,  
23.4927

61.8109, 76.1266,  
23.4927

420.9695,  
481.7810, 283.4491

45.1349, 56.5363,  
14.7490

106.5437,  
127.9058, 50.1345

31.7655, 40.6331,  
8.4988

135.3312,  
160.8636, 68.8697

21.3371, 28.0325,  
4.3234

168.8866,  
199.0460, 91.7725

13.4845, 18.3502,  
1.8044

207.5753,  
242.8374, 119.2614

7.8423, 11.2017,  
0.4308

251.7625,  
292.6222, 151.7550

4.0452, 6.2027,  
0.0000

301.8138,

1.7277, 2.9687,

348.7848, 189.6717

0.0000

358.0943,  
411.7096, 233.4303

■ 0.4735, 1.1154,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.8109, 76.1266,  
23.4927

■ 61.8109, 76.1266,  
23.4927

■ 59.9971, 75.3075,  
18.2849

■ 63.9731, 77.0922,  
30.4465

■ 58.4967, 74.6127,  
14.6630


■ 66.5043, 78.2042,  
39.2780


■ 57.2769, 74.0316,  
12.4463


■ 69.4298, 79.4756,  
50.1120

■ 56.2911, 73.5458,  
11.3898


■ 72.7710, 80.9149,  
63.0612

 56.0743, 73.4376,  
11.2194

 76.5477, 82.5300,  
78.2298

 80.7786, 84.3285,  
95.7152

 83.7934, 85.6422,  
106.7219

 84.7408, 86.1305,  
106.7663

 85.7026, 86.6264,  
106.8113

# Harmonies

## Analogous

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



77.7663, 76.1266, 21.6170



61.8109, 76.1266, 23.4927



50.5075, 76.1266, 37.3687

# Triad

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



61.8109, 76.1266, 23.4927



53.9365, 76.1266, 174.7745



108.4561, 76.1266, 98.9509

# Complementary

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



61.8109, 76.1266, 23.4927



26.9025, 18.8853, 81.5887

# 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.



99.7407, 76.1266, 155.4600



61.8109, 76.1266, 23.4927



67.2028, 76.1266, 209.0097

# Square

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



61.8109, 76.1266, 23.4927



46.4650, 76.1266, 118.9281



84.0371, 76.1266, 200.8406



106.4254, 76.1266, 54.9827



# Rectangle

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



61.8109, 76.1266, 23.4927



46.3409, 76.1266, 55.9875



84.0371, 76.1266, 200.8406



106.6414, 76.1266, 117.2655

# Sweetspot

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



61.8127, 76.1301, 23.4943



86.9874, 96.5610, 76.1095



43.1250, 31.2151, 15.8098



18.4369, 20.5899, 15.5729



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.



61.8127, 76.1301, 23.4943



71.2008, 89.6272, 20.9538



45.2723, 67.6032, 22.7202



16.1673, 17.5318, 16.0506



30.9797, 40.5151, 6.1874



2.4821, 3.2069, 0.4882



# Inverse Universe

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



26.9025, 18.8853, 81.5887



26.0784, 15.5147, 96.2279



39.4352, 25.3461, 82.1752



14.3958, 14.6338, 18.9881



8.6614, 3.5011, 43.9622



0.7342, 0.3028, 3.4546



# Previews

## White Background



This preview shows how the XYZ color 61.8109, 76.1266, 23.4927 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 61.8109, 76.1266, 23.4927 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 61.8109, 76.1266, 23.4927**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.8109, 76.1266, 23.4927.



This preview shows how white text looks on a background with the XYZ color 61.8109, 76.1266,



# 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

61.8109, 76.1266, 23.4927

### Protanopia

69.1377, 75.7650, 22.2894

### Deuteranopia

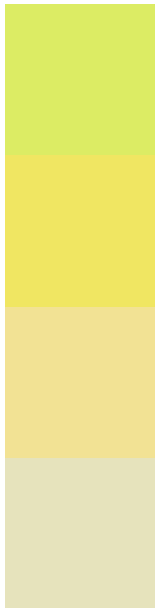
74.6697, 75.5810, 51.7274



## Tritanopia

75.9622, 76.1367, 92.3536

# Trichromacy



## Original Color

61.8109, 76.1266, 23.4927

## Protanomaly

66.4366, 76.0007, 22.7233

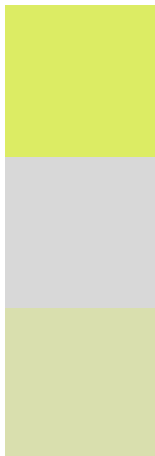
## Deuteranomaly

69.1596, 75.4081, 38.9271

## Tritanomaly

69.1793, 75.3920, 58.4829

# Monochromacy



## Original Color

61.8109, 76.1266, 23.4927

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

62.6429, 70.5831, 50.3667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.8109, 76.1266, 23.4927 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(220, 236, 100)` looks like.

```
.text, #text, p{  
    color:rgb(220, 236, 100)  
}
```

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(220, 236, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 236, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 61.8109, 76.1266, 23.4927 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(220, 236, 100) }
```



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

```
.border{ border-color:rgb(220, 236, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 236, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 236, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 236, 100);  
box-shadow:4px 4px 4px 4px rgb(220, 236,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.8109, 76.1266, 23.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 236, 100) }
```

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

```
.background{ background-color: rgb(220,  
236, 100) }
```

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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