

Converting Colors

XYZ(64.4023, 80.7662, 23.3288)

Have a look what the booklet for
XYZ(64.4023, 80.7662, 23.3288)
contains.

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Color

**XYZ(64.5862, 81.0755,
23.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF460
RGB	222, 244, 96
RGB Percent	87%, 96%, 38%
CMY	0.1294, 0.0431, 0.6235
CMYK	0.09, 0.00, 0.61, 0.04
HSL	69°, 87%, 67%
HSV	69°, 61%, 96%
XYZ	64.5862, 81.0755, 23.3114
YIQ	220.5500, 34.3960, -50.6920

Conversions

Conversions Part 2

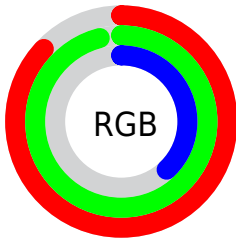
Format	Color
R_{YB}	96, 244, 118
Decimal	14611552
CIE _{Lab}	92.17, -26.65, 66.85
CIE _{LCh}	92, 71.962, 111.737
Yxy	81.0755, 0.3822, 0.4798
Android (android.graphics.Color)	4292801632 (0xFFDEF460)
YUV	220.5500, -61.4031, 1.2717
Hunter-Lab	90.0419, -29.5371, 47.6795

Details

The XYZ color **64.5862, 81.0755, 23.3114** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.9861, 18.7509, 87.7371**, and the grayscale version is **68.8134, 72.3971, 78.8404**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **33.6115, 43.9863, 8.3878** is the 20% darker color. If you saturate the color by 10%, you get **62.5340, 80.1305, 18.2342**, and if you desaturate by 10%, it is **67.0147, 82.1796, 30.2287**.

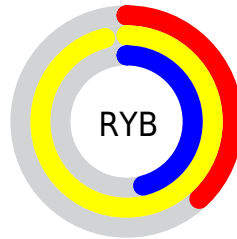
Distribution



Red (87%)

Green (96%)

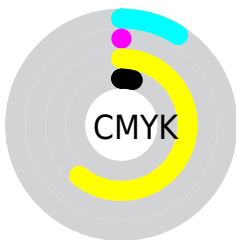
Blue (38%)



Red (38%)

Yellow (96%)

Blue (46%)

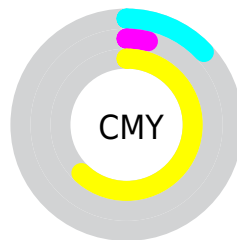


Cyan (9%)

Magenta (0%)

Yellow (61%)

Black (4%)



Cyan (13%)


Magenta (4%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5862, 81.0755, 23.3114 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 64.5862, 81.0755, 23.3114 by changing the saturation by 10% instead.


 64.5862, 81.0755,
23.3114

 64.5862, 81.0755,
23.3114


430.8722,
498.5500, 282.4940

 47.3891, 60.6038,
14.6162


 110.5238,
134.8768, 49.8338


 33.5526, 43.9055,
8.4068


 139.9949,
168.9751, 68.4980

 22.7113, 30.5962,
4.2649


 174.2881,
208.3845, 91.3223

 14.5000, 20.2916,
1.7717

 213.7687,
253.4892, 118.7253

 8.5533, 12.6072,
0.4092

258.8020,
304.6737, 151.1254

 4.5057, 7.1586,
0.0000

309.7535,

 1.9920, 3.5615,

362.3224, 188.9412

0.0000

366.9884,
426.8197, 232.5912

■ 0.6295, 1.4314,
0.0000

■ 0.0000, 0.2397,
0.0000

■ 64.5862, 81.0755,
23.3114

■ 64.5862, 81.0755,
23.3114

■ 62.5340, 80.1305,
18.2342

■ 67.0147, 82.1796,
30.2287

■ 60.8187, 79.3202,
14.8157


■ 69.8432, 83.4435,
39.1346


■ 59.4021, 78.6320,
12.8470

■ 73.0998, 84.8815,
50.1687


■ 58.2875, 78.0750,
11.9979


■ 76.8084, 86.5031,
63.4563

 80.9912, 88.3172,
79.1131

 85.6689, 90.3321,
97.2467

 88.9004, 91.7714,
107.6358

 90.1951, 92.4389,
107.6964

 91.5150, 93.1193,
107.7582

Harmonies

Analogous

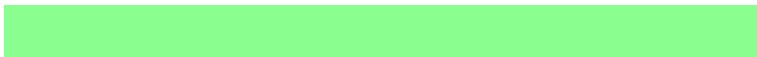
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3029, 81.0755, 20.8495



64.5862, 81.0755, 23.3114



52.3012, 81.0755, 38.9105

Triad

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



64.5862, 81.0755, 23.3114



57.0074, 81.0755, 195.2810



118.0402, 81.0755, 103.7946

Complementary

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



64.5862, 81.0755, 23.3114



27.9861, 18.7509, 87.7371

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.



108.6092, 81.0755, 167.8900



64.5862, 81.0755, 23.3114



72.0443, 81.0755, 232.9425

Square

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



64.5862, 81.0755, 23.3114



48.4396, 81.0755, 131.7890



91.0442, 81.0755, 221.2931



115.1844, 81.0755, 55.5825

Rectangle

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



64.5862, 81.0755, 23.3114



47.8989, 81.0755, 59.9685



91.0442, 81.0755, 221.2931



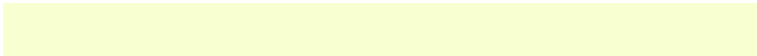
116.1541, 81.0755, 124.3319

Sweetspot

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



64.5881, 81.0792, 23.3131



86.0545, 96.1169, 74.4034



45.6371, 32.5093, 14.9370



18.1434, 20.4530, 14.9091



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.



64.5881, 81.0792, 23.3131



68.6094, 88.3310, 19.0393



47.0918, 72.0595, 22.4943



17.6584, 19.1815, 17.5693



31.7839, 42.4980, 6.5277



2.8579, 3.7684, 0.5767

Inverse Universe

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



27.9861, 18.7509, 87.7371



25.0486, 13.9734, 95.9847



41.6834, 25.8121, 88.3781



15.8104, 16.0449, 20.8062



9.3490, 3.7939, 46.7776



0.8895, 0.3684, 4.1145

Previews

White Background



This preview shows how the XYZ color 64.5862, 81.0755, 23.3114 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 64.5862, 81.0755, 23.3114 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 64.5862, 81.0755, 23.3114

Background



This preview shows how black text looks on a background with the XYZ color 64.5862, 81.0755, 23.3114.

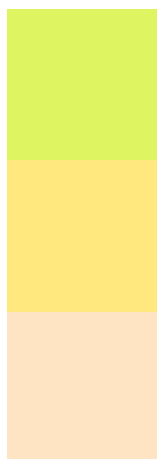


This preview shows how white text looks on a background with the XYZ color 64.5862, 81.0755,

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

64.5862, 81.0755, 23.3114

Protanopia

73.8625, 80.4796, 31.3798

Deuteranopia

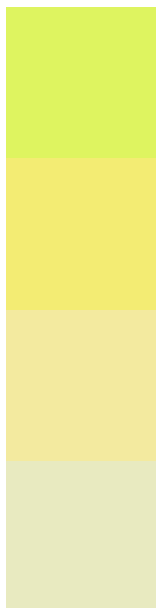
78.8337, 80.6869, 63.0489



Tritanopia

80.0677, 80.9312, 99.3969

Trichromacy



Original Color

64.5862, 81.0755, 23.3114

Protanomaly

70.0521, 80.2834, 28.0238

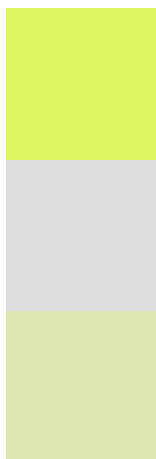
Deuteranomaly

72.6430, 80.4035, 44.4916

Tritanomaly

72.2160, 79.8072, 61.4673

Monochromacy



Original Color

64.5862, 81.0755, 23.3114

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

65.6746, 74.5454, 52.0016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5862, 81.0755, 23.3114 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(222, 244, 96)` looks like.

```
.text, #text, p{  
    color:rgb(222, 244, 96)  
}
```

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(222, 244, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 244, 96) }
```

Border

The CSS property to change the border of an element to XYZ 64.5862, 81.0755, 23.3114 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(222, 244, 96) }
```


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

```
.border{ border-color:rgb(222, 244, 96) }
```

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

Here you see how a box with a 4 pixel rgb(222, 244, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 244, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 244, 96);  
box-shadow:4px 4px 4px 4px rgb(222, 244,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5862, 81.0755, 23.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 244, 96) }
```

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

```
.background{ background-color: rgb(222,  
244, 96) }
```

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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