

Converting Colors

XYZ(62.8336, 83.1299, 13.3061)

Have a look what the booklet for
XYZ(62.8336, 83.1299, 13.3061)
contains.

XYZ(62.9101, 83.1666, 13.3093)	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(62.9101, 83.1666,
13.3093)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FA12
RGB	217, 250, 18
RGB Percent	85%, 98%, 7%
CMY	0.1490, 0.0196, 0.9293
CMYK	0.13, 0.00, 0.93, 0.02
HSL	69°, 96%, 53%
HSV	69°, 93%, 98%
XYZ	62.9101, 83.1666, 13.3093
YIQ	213.6850, 54.8040, -79.1480

Conversions

Conversions Part 2

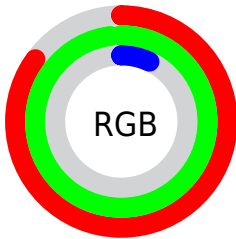
Format	Color
RYB	18, 250, 51
Decimal	14285330
CIELab	93.09, -34.46, 88.82
CIELCh	93, 95.275, 111.204
Yxy	83.1666, 0.3947, 0.5218
Android (android.graphics.Color)	4292475410 (0xFFD9FA12)
YUV	213.6850, -96.4727, 2.9073
Hunter-Lab	91.1957, -36.4568, 55.1841

Details

The XYZ color **62.9101, 83.1666, 13.3093** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **18.8399, 8.0406, 91.0065**, and the grayscale version is **64.3108, 67.6600, 73.6817**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **33.1964, 45.7517, 7.0813** is the 20% darker color. If you saturate the color by 10%, you get **62.0461, 82.7367, 12.6996**, and if you desaturate by 10%, it is **64.3080, 83.8523, 15.0837**.

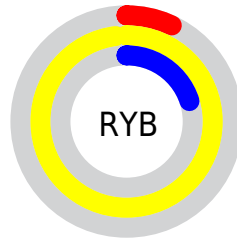
Distribution



Red (85%)

Green (98%)

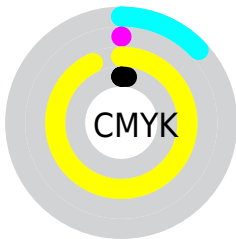
Blue (7%)



Red (7%)

Yellow (98%)

Blue (20%)

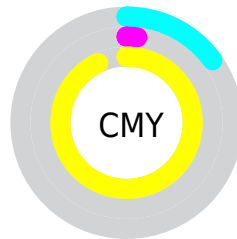


Cyan (13%)

Magenta (0%)

Yellow (93%)

Black (2%)



Cyan (15%)


Magenta (2%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9101, 83.1666, 13.3093 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 62.9101, 83.1666, 13.3093 by changing the saturation by 10% instead.

 62.9101, 83.1666,
13.3093

 62.9101, 83.1666,
13.3093


424.9080,
505.5416, 224.1675


 46.0269, 62.3276,
7.5087


 108.1223,
137.8088, 32.5576

 32.4717, 45.2975,
3.6990


 137.1821,
172.3807, 46.8424


 21.8794, 31.6918,
1.4617


 171.0313,
212.2991, 64.7923

 13.8844, 21.1262,
0.1891

 210.0354,
257.9484, 86.8259

 8.1215, 13.2163,
0.0000

 254.5598,
309.7128, 113.3616

 4.2252, 7.5776,
0.0000

 304.9698,

 1.8303, 3.8259,

367.9769, 144.8181

0.0000

361.6307,
433.1251, 181.6139

■ 0.5358, 1.5767,
0.0000

■ 0.0000, 0.3418,
0.0000

■ 62.9101, 83.1666,
13.3093

■ 62.9101, 83.1666,
13.3093

■ 62.0461, 82.7367,
12.6996

■ 64.3080, 83.8523,
15.0837

■ 66.0074, 84.6582,
18.3348

■ 68.0551, 85.6060,
23.2990

■ 70.4878, 86.7106,
30.1699

73.3376, 87.9847,
39.1153

76.6330, 89.4397,
50.2846

80.3999, 91.0860,
63.8133

84.6620, 92.9333,
79.8262

89.4416, 94.9902,
98.4394

Harmonies

Analogous

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



86.6247, 83.1666, 11.2782



62.9101, 83.1666, 13.3093



47.2000, 83.1666, 28.8032

Triad

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



62.9101, 83.1666, 13.3093



52.6017, 83.1666, 245.7267



136.6765, 83.1666, 113.2686

Complementary

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



62.9101, 83.1666, 13.3093



18.8399, 8.0406, 91.0065

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.



122.7232, 83.1666, 207.0356



62.9101, 83.1666, 13.3093



71.9253, 83.1666, 305.9908

Square

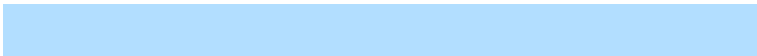
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.9101, 83.1666, 13.3093



42.1794, 83.1666, 150.0058



97.7321, 83.1666, 288.9798



132.8404, 83.1666, 49.3424

Rectangle

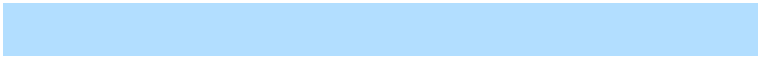
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.9101, 83.1666, 13.3093



41.7265, 83.1666, 53.0589



97.7321, 83.1666, 288.9798



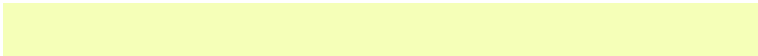
133.8194, 83.1666, 142.5225

Sweetspot

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



62.9120, 83.1704, 13.3110



81.9706, 94.3478, 59.0185



40.6324, 22.5618, 2.7867



17.1920, 20.0397, 11.3803



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.



62.9120, 83.1704, 13.3110



64.8887, 86.5364, 13.2832



39.9002, 71.3074, 12.2341



18.4704, 20.0583, 18.3605



33.0032, 43.9321, 6.7403



3.1211, 4.1021, 0.6273

Inverse Universe

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



18.8399, 8.0406, 91.0065



18.7874, 7.6002, 95.0845



32.9789, 15.3295, 91.6682



16.5127, 16.7614, 21.7503



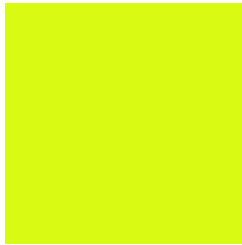
9.6008, 3.8921, 48.2188



0.9567, 0.3953, 4.4690

Previews

White Background



This preview shows how the XYZ color 62.9101, 83.1666, 13.3093 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 62.9101, 83.1666, 13.3093 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 62.9101, 83.1666, 13.3093

Background



This preview shows how black text looks on a background with the XYZ color 62.9101, 83.1666, 13.3093.

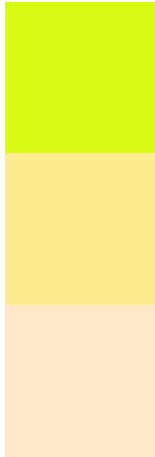


This preview shows how white text looks on a background with the XYZ color 62.9101, 83.1666,

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

62.9101, 83.1666, 13.3093

Protanopia

75.9063, 82.6598, 37.9409

Deuteranopia

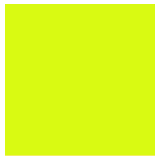
80.2412, 82.5820, 66.3543



Tritanopia

80.8613, 82.5111, 102.9312

Trichromacy



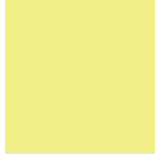
Original Color

62.9101, 83.1666, 13.3093



Protanomaly

69.6403, 81.9028, 23.6937



Deuteranomaly

71.1532, 81.5711, 34.5489



Tritanomaly

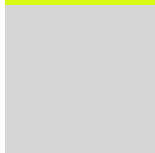
70.0625, 81.1442, 48.0461

Monochromacy



Original Color

62.9101, 83.1666, 13.3093



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.4513, 71.3684, 36.5760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9101, 83.1666, 13.3093 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(217, 250, 18)` looks like.

```
.text, #text, p{  
    color:rgb(217, 250, 18)  
}
```

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(217, 250, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 250, 18) }
```

Border

The CSS property to change the border of an element to XYZ 62.9101, 83.1666, 13.3093 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(217, 250, 18) }
```


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

```
.border{ border-color:rgb(217, 250, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 250, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 250, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 250, 18);  
box-shadow:4px 4px 4px 4px rgb(217, 250,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9101, 83.1666, 13.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 250, 18) }
```

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

```
.background{ background-color: rgb(217,  
250, 18) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor