

Converting Colors

XYZ(62.3167, 85.1647, 15.2337)

Have a look what the booklet for
XYZ(62.3167, 85.1647, 15.2337)
contains.

XYZ(62.4547, 85.2354, 15.2582)	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(62.4547, 85.2354,
15.2582)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FF29
RGB	209, 255, 41
RGB Percent	82%, 100%, 16%
CMY	0.1804, 0.0000, 0.8392
CMYK	0.18, 0.00, 0.84, 0.00
HSL	73°, 100%, 58%
HSV	73°, 84%, 100%
XYZ	62.4547, 85.2354, 15.2582
YIQ	216.8500, 41.2780, -76.3060

Conversions

Conversions Part 2

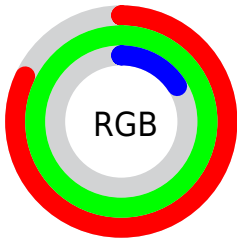
Format	Color
RYB	41, 255, 87
Decimal	13762345
CIELab	93.98, -39.38, 85.75
CIElCh	94, 94.357, 114.669
Yxy	85.2354, 0.3833, 0.5231
Android (android.graphics.Color)	4291952425 (0xFFD1FF29)
YUV	216.8500, -86.6940, -6.8844
Hunter-Lab	92.3230, -40.8136, 54.8273

Details

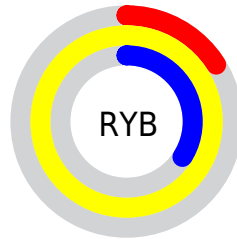
The XYZ color **62.4547, 85.2354, 15.2582** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.7751, 10.8337, 95.4985**, and the grayscale version is **66.4064, 69.8647, 76.0827**.

A 20% lighter version of the original color is **79.7603, 93.8841, 28.3856**, and **32.5885, 46.7777, 7.3114** is the 20% darker color. If you saturate the color by 10%, you get **60.6197, 84.3252, 13.5527**, and if you desaturate by 10%, it is **64.6307, 86.2880, 18.4827**.

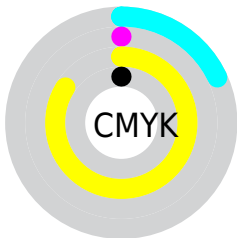
Distribution



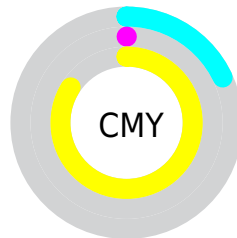
- Red (82%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (34%)



- Cyan (18%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4547, 85.2354, 15.2582 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 62.4547, 85.2354, 15.2582 by changing the saturation by 10% instead.


 62.4547, 85.2354,
15.2582

 62.4547, 85.2354,
15.2582


423.2789,
512.4067, 236.6181


 45.6572, 64.0359,
8.8522


 107.4687,
140.7020, 36.0542

 32.1789, 46.6798,
4.5494


 136.4158,
175.7379, 51.2812


 21.6544, 32.7826,
1.9313


 170.1436,
216.1548, 70.2857

 13.7183, 21.9599,
0.5126

 209.0173,
262.3369, 93.4861

 8.0054, 13.8275,
0.0000

 253.4024,
314.6688, 121.3010

 4.1502, 8.0008,
0.0000

303.6641,

 1.7875, 4.0954,

373.5348, 154.1490

0.0000

360.1678,
439.3193, 192.4485

■ 0.5101, 1.7271,
0.0000

■ 0.0000, 0.4411,
0.0000

■ 62.4547, 85.2354,
15.2582

■ 62.4547, 85.2354,
15.2582

■ 60.6197, 84.3252,
13.5527

■ 64.6307, 86.2880,
18.4827

■ 59.6282, 83.8245,
13.0370

■ 67.1962, 87.5027,
23.4762

■ 70.1912, 88.8955,
30.4472

■ 73.6500, 90.4802,
39.5743

■ 77.6034, 92.2691,
51.0163

■ 82.0791, 94.2733,
64.9170

■ 87.1027, 96.5033,
81.4085

■ 92.6979, 98.9684,
100.6135

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



85.5920, 85.2354, 11.9215



62.4547, 85.2354, 15.2582



47.6107, 85.2354, 33.5324

Triad

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



62.4547, 85.2354, 15.2582



56.1354, 85.2354, 257.9187



139.3536, 85.2354, 106.2835

Complementary

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



62.4547, 85.2354, 15.2582



22.7751, 10.8337, 95.4985

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.



127.2329, 85.2354, 198.1899



62.4547, 85.2354, 15.2582



76.6017, 85.2354, 310.3721

Square

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



62.4547, 85.2354, 15.2582



44.5263, 85.2354, 163.4684



102.9271, 85.2354, 284.2090



133.4029, 85.2354, 46.1620

Rectangle

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



62.4547, 85.2354, 15.2582



42.7435, 85.2354, 60.7849



102.9271, 85.2354, 284.2090



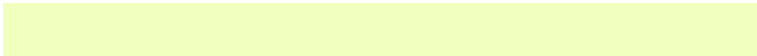
137.1939, 85.2354, 134.4670

Sweetspot

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



62.4547, 85.2354, 15.2594



81.5682, 94.0455, 63.2881



44.7961, 27.7314, 5.0907



17.1137, 19.9753, 12.4600



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.



62.4547, 85.2354, 15.2594



59.6282, 83.8245, 13.0370



42.0107, 74.6961, 14.3026



19.1566, 20.8821, 19.1653



31.2883, 43.8678, 6.8183



3.1370, 4.3179, 0.6681

Inverse Universe

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



22.7751, 10.8337, 95.4985



19.6156, 8.0271, 95.1233



40.2799, 19.8577, 96.3177



17.3680, 17.5659, 22.7251



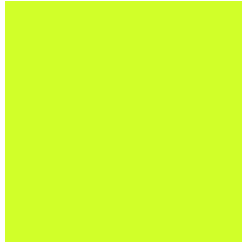
10.3505, 4.2463, 49.7087



1.0949, 0.4583, 4.8440

Previews

White Background



This preview shows how the XYZ color 62.4547, 85.2354, 15.2582 looks on a white background.

Color Contrast Check

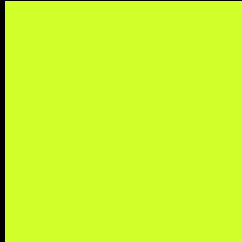
Large Text (above 18pt) WCAG AA × Fail

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 62.4547, 85.2354, 15.2582 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 62.4547, 85.2354, 15.2582

Background



This preview shows how black text looks on a background with the XYZ color 62.4547, 85.2354, 15.2582.



This preview shows how white text looks on a background with the XYZ color 62.4547, 85.2354,

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

62.4547, 85.2354, 15.2582

Protanopia

77.9572, 84.4016, 45.9006

Deuteranopia

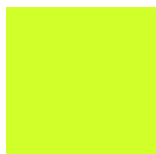
81.9253, 84.6106, 71.0450



Tritanopia

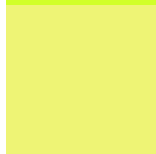
80.9673, 84.6114, 106.6719

Trichromacy



Original Color

62.4547, 85.2354, 15.2582



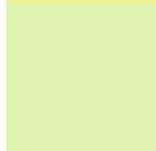
Protanomaly

70.8215, 84.1629, 29.3420



Deuteranomaly

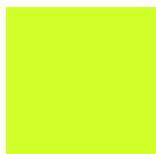
72.2785, 83.7880, 39.9670



Tritanomaly

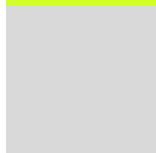
70.4107, 83.4053, 53.9828

Monochromacy



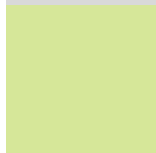
Original Color

62.4547, 85.2354, 15.2582



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.0572, 73.7479, 41.1010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4547, 85.2354, 15.2582 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(209, 255, 41)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 41)  
}
```

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(209, 255, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 41) }
```

Border

The CSS property to change the border of an element to XYZ 62.4547, 85.2354, 15.2582 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(209, 255, 41) }
```


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

```
.border{ border-color:rgb(209, 255, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 41);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4547, 85.2354, 15.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 41) }
```

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

```
.background{ background-color: rgb(209,  
255, 41) }
```

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