

Converting Colors

XYZ(74.2620, 100.0000,
31.2552)

Have a look what the booklet for
XYZ(74.2620, 100.0000, 31.2552)
contains.

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Color

**XYZ(68.3125, 87.9505,
29.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFF72
RGB	220, 255, 114
RGB Percent	86%, 100%, 45%
CMY	0.1373, 0.0000, 0.5529
CMYK	0.14, 0.00, 0.55, 0.00
HSL	75°, 100%, 72%
HSV	75°, 55%, 100%
XYZ	68.3125, 87.9505, 29.2953
YIQ	228.4610, 24.4010, -51.2710

Conversions

Conversions Part 2

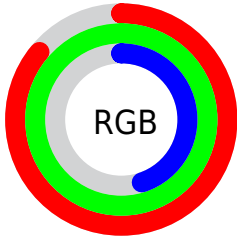
Format	Color
RYB	114, 255, 149
Decimal	14483314
CIELab	95.14, -31.18, 62.51
CIELCh	95, 69.850, 116.509
Yxy	87.9505, 0.3681, 0.4740
Android (android.graphics.Color)	4292673394 (0xFFDCFF72)
YUV	228.4610, -56.4293, -7.4203
Hunter-Lab	93.7819, -34.0957, 47.1265

Details

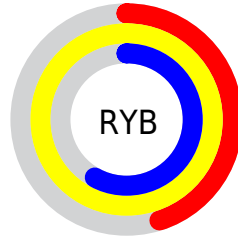
The XYZ color **68.3125, 87.9505, 29.2953** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.4630, 25.6455, 97.6360**, and the grayscale version is **74.4682, 78.3464, 85.3192**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **35.8581, 48.3750, 11.4504** is the 20% darker color. If you saturate the color by 10%, you get **65.1777, 86.4795, 22.5994**, and if you desaturate by 10%, it is **71.9247, 89.6210, 38.1274**.

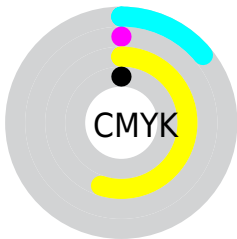
Distribution



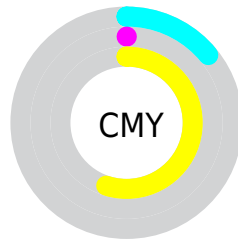
- Red (86%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (58%)



- Cyan (14%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3125, 87.9505, 29.2953 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 68.3125, 87.9505, 29.2953 by changing the saturation by 10% instead.


 68.3125, 87.9505,
29.2953

 68.3125, 87.9505,
29.2953


443.9618,
521.3411, 312.7101


 50.4266, 66.2821,
19.0568


 115.8385,
144.4882, 59.5937

 35.9717, 48.5014,
11.5341


 146.2094,
180.1263, 80.4907

 24.5823, 34.2241,
6.3086


 181.4726,
221.1898, 105.7777

 15.8932, 23.0658,
2.9618

221.9936,
268.0630, 135.8731

 9.5390, 14.6421,
1.0752

268.1376,
321.1303, 171.1955

 5.1543, 8.5686,
0.0000

320.2701,

 2.3738, 4.4609,

380.7762, 212.1634

0.0000

378.7564,
447.3850, 259.1955

■ 0.8320, 1.9346,
0.0000

■ 0.0000, 0.5690,
0.0000

■ 68.3125, 87.9505,
29.2953

■ 68.3125, 87.9505,
29.2953

■ 65.1777, 86.4795,
22.5994

■ 71.9247, 89.6210,
38.1274

■ 62.4846, 85.1934,
17.8539


■ 76.0453, 91.5032,
49.2531


■ 60.1920, 84.0757,
14.8478

■ 80.7027, 93.6088,
62.8194

■ 58.2495, 83.1061,
13.3190

■ 85.9231, 95.9481,
78.9597

 57.4224, 82.6874,
12.9338

 91.7308, 98.5312,
97.7981

95.0500, 100.0000,
108.9000

Harmonies

Analogous

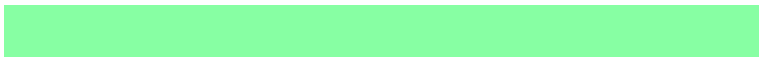
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8407, 87.9505, 24.6541



68.3125, 87.9505, 29.2953



56.6570, 87.9505, 48.8206

Triad

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



68.3125, 87.9505, 29.2953



64.9967, 87.9505, 212.3399



125.6623, 87.9505, 102.2824

Complementary

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



68.3125, 87.9505, 29.2953



36.4630, 25.6455, 97.6360

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.



117.9481, 87.9505, 165.9527



68.3125, 87.9505, 29.2953



81.3875, 87.9505, 242.9366

Square

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



68.3125, 87.9505, 29.2953



54.9563, 87.9505, 150.5224



101.0005, 87.9505, 223.3686



120.7713, 87.9505, 56.2137

Rectangle

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



68.3125, 87.9505, 29.2953



52.8403, 87.9505, 73.3508



101.0005, 87.9505, 223.3686



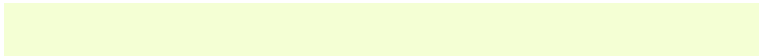
124.4313, 87.9505, 122.3307

Sweetspot

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



68.3127, 87.9506, 29.2965



84.9908, 95.5317, 76.0161



54.6962, 43.3123, 21.3981



17.9614, 20.3448, 15.5506



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.



68.3127, 87.9506, 29.2965



64.9731, 86.3826, 22.2018



51.6722, 79.3722, 28.5178



19.0949, 20.8504, 19.1624



30.1477, 43.2798, 6.7649



3.0347, 4.2652, 0.6633

Inverse Universe

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



36.4630, 25.6455, 97.6360



30.4081, 18.6142, 96.5980



52.8024, 34.0688, 98.4007



17.4254, 17.5955, 22.7278



10.6258, 4.3883, 49.7216



1.1290, 0.4759, 4.8456

Previews

White Background



This preview shows how the XYZ color 68.3125, 87.9505, 29.2953 looks on a white background.

Color Contrast Check

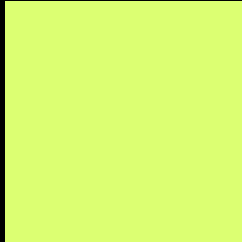
Large Text (above 18pt) WCAG AA × Fail

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 68.3125, 87.9505, 29.2953 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 68.3125, 87.9505, 29.2953

Background



This preview shows how black text looks on a background with the XYZ color 68.3125, 87.9505, 29.2953.

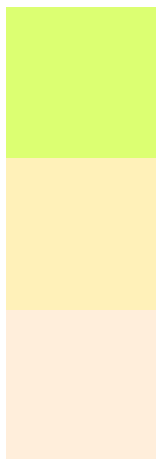


This preview shows how white text looks on a background with the XYZ color 68.3125, 87.9505,

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

68.3125, 87.9505, 29.2953

Protanopia

81.4523, 87.6734, 58.5286

Deuteranopia

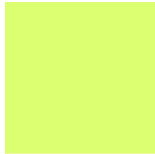
84.6007, 87.5235, 79.4526



Tritanopia

84.4700, 87.7173, 107.0868

Trichromacy



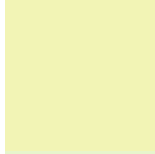
Original Color

68.3125, 87.9505, 29.2953



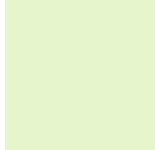
Protanomaly

75.8317, 87.2920, 45.6532



Deuteranomaly

77.3091, 86.9148, 56.4177



Tritanomaly

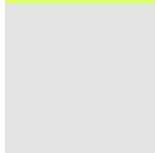
76.5065, 86.6534, 69.8202

Monochromacy



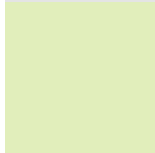
Original Color

68.3125, 87.9505, 29.2953



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.5955, 80.7445, 58.8782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3125, 87.9505, 29.2953 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, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 114)  
}
```

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, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 68.3125, 87.9505, 29.2953 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, 255, 114) }
```


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

```
.border{ border-color:rgb(220, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3125, 87.9505, 29.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 114) }
```

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

```
.background{ background-color: rgb(220,  
255, 114) }
```

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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