

Converting Colors

XYZ(68.8936, 86.5919, 24.7313)

Have a look what the booklet for
XYZ(68.8936, 86.5919, 24.7313)
contains.

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Color

**XYZ(68.6967, 86.3702,
24.6057)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FB62
RGB	228, 251, 98
RGB Percent	89%, 98%, 38%
CMY	0.1059, 0.0157, 0.6157
CMYK	0.09, 0.00, 0.61, 0.02
HSL	69°, 95%, 68%
HSV	69°, 61%, 98%
XYZ	68.6967, 86.3702, 24.6057
YIQ	226.6810, 35.4050, -52.4590

Conversions

Conversions Part 2

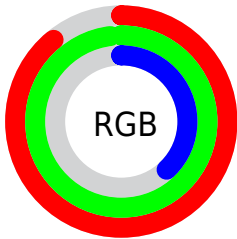
Format	Color
RYB	98, 251, 121
Decimal	15006562
CIELab	94.47, -27.45, 68.65
CIELCh	94, 73.931, 111.797
Yxy	86.3702, 0.3823, 0.4807
Android (android.graphics.Color)	4293196642 (0xFFE4FB62)
YUV	226.6810, -63.4397, 1.1568
Hunter-Lab	92.9356, -30.6925, 49.3572

Details

The XYZ color **68.6967, 86.3702, 24.6057** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.6685, 19.7675, 93.5238**, and the grayscale version is **73.2122, 77.0249, 83.8801**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **36.2271, 47.6052, 9.1131** is the 20% darker color. If you saturate the color by 10%, you get **66.5089, 85.3614, 19.2577**, and if you desaturate by 10%, it is **71.2863, 87.5490, 31.9149**.

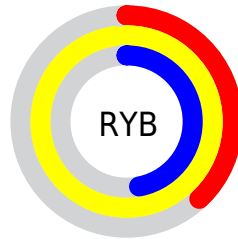
Distribution



Red (89%)

Green (98%)

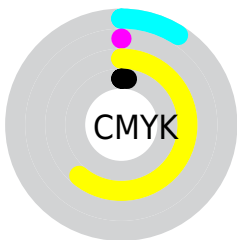
Blue (38%)



Red (38%)

Yellow (98%)

Blue (47%)

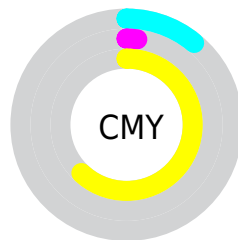


Cyan (9%)

Magenta (0%)

Yellow (61%)

Black (2%)



Cyan (11%)


Magenta (2%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6967, 86.3702, 24.6057 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 68.6967, 86.3702, 24.6057 by changing the saturation by 10% instead.


 68.6967, 86.3702,
24.6057

 68.6967, 86.3702,
24.6057


445.2986,
516.1511, 289.2531


 50.7405, 64.9741,
15.5672


 116.3847,
142.2860, 51.9730

 36.2223, 47.4401,
9.0674


 146.8472,
177.5745, 71.1389

 24.7769, 33.3837,
4.6877


 182.2092,
218.2626, 94.5176

 16.0387, 22.4206,
2.0097

 222.8360,
264.7347, 122.5277

 9.6426, 14.1662,
0.5613

269.0930,
317.3752, 155.5878

 5.2231, 8.2364,
0.0000

321.3455,

 2.4148, 4.2466,

376.5685, 194.1164

0.0000

379.9590,
442.6990, 238.5320

0.8525, 1.8124,
0.0000

0.0000, 0.4949,
0.0000

68.6967, 86.3702,
24.6057

68.6967, 86.3702,
24.6057

66.5089, 85.3614,
19.2577

71.2863, 87.5490,
31.9149

64.6804, 84.4962,
15.6755


74.3030, 88.8986,
41.3455


63.1700, 83.7611,
13.6332


77.7773, 90.4342,
53.0471


62.0160, 83.1837,
12.7875

81.7349, 92.1663,
67.1547

 86.1994, 94.1042,
83.7923

 91.1932, 96.2569,
103.0758

 93.5761, 97.3685,
108.4697

 93.7891, 97.4783,
108.4797

Harmonies

Analogous

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



87.6698, 86.3702, 21.9620



68.6967, 86.3702, 24.6057



55.5612, 86.3702, 41.2733

Triad

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



68.6967, 86.3702, 24.6057



60.6423, 86.3702, 209.0161



126.0528, 86.3702, 110.5487

Complementary

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



68.6967, 86.3702, 24.6057



29.6685, 19.7675, 93.5238

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.



115.9557, 86.3702, 179.3279



68.6967, 86.3702, 24.6057



76.7565, 86.3702, 249.4067

Square

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



68.6967, 86.3702, 24.6057



51.4607, 86.3702, 140.8481



97.1250, 86.3702, 236.7720



122.9605, 86.3702, 58.9585

Rectangle

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



68.6967, 86.3702, 24.6057



50.8623, 86.3702, 63.8136



97.1250, 86.3702, 236.7720



124.0374, 86.3702, 132.5673

Sweetspot

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



68.6987, 86.3741, 24.6075



86.0272, 96.1028, 74.4021



48.8227, 35.0561, 15.7497



18.1366, 20.4495, 14.9087



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.



68.6987, 86.3741, 24.6075



68.5108, 88.2801, 19.0347



49.5698, 76.5128, 23.7123



18.4559, 20.0508, 18.3599



32.6954, 43.7734, 6.7259



3.0955, 4.0889, 0.6261

Inverse Universe

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



29.6685, 19.7675, 93.5238



25.0818, 13.9905, 95.9862



44.9272, 27.6336, 94.2379



16.5259, 16.7682, 21.7509



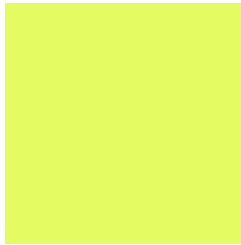
9.6420, 3.9133, 48.2207



0.9629, 0.3985, 4.4693

Previews

White Background



This preview shows how the XYZ color 68.6967, 86.3702, 24.6057 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 68.6967, 86.3702, 24.6057 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 68.6967, 86.3702, 24.6057

Background



This preview shows how black text looks on a background with the XYZ color 68.6967, 86.3702, 24.6057.

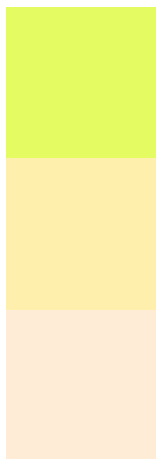


This preview shows how white text looks on a background with the XYZ color 68.6967, 86.3702,

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

68.6967, 86.3702, 24.6057

Protanopia

79.6493, 86.0101, 51.9388

Deuteranopia

83.3731, 86.1059, 75.8442



Tritanopia

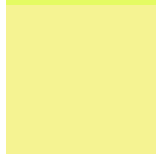
84.9060, 85.8055, 105.8530

Trichromacy



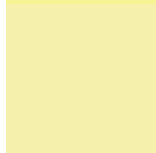
Original Color

68.6967, 86.3702, 24.6057



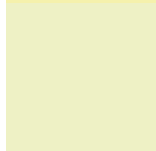
Protanomaly

74.8951, 85.5890, 39.7671



Deuteranomaly

76.5579, 85.3016, 51.4596



Tritanomaly

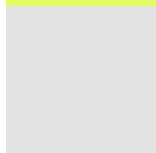
76.7932, 85.1190, 65.2055

Monochromacy



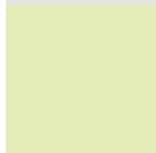
Original Color

68.6967, 86.3702, 24.6057



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.9122, 79.6171, 54.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6967, 86.3702, 24.6057 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(228, 251, 98)` looks like.

```
.text, #text, p{  
    color:rgb(228, 251, 98)  
}
```

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(228, 251, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 251, 98) }
```

Border

The CSS property to change the border of an element to XYZ 68.6967, 86.3702, 24.6057 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(228, 251, 98) }
```


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

```
.border{ border-color:rgb(228, 251, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 251, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 251, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 251, 98);  
box-shadow:4px 4px 4px 4px rgb(228, 251,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6967, 86.3702, 24.6057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 251, 98) }
```

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

```
.background{ background-color: rgb(228,  
251, 98) }
```

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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