

Converting Colors

XYZ(42.0300, 65.2941, 24.3250)

Have a look what the booklet for
XYZ(42.0300, 65.2941, 24.3250)
contains.

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Color

**XYZ(42.1937, 65.5465,
24.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	86EB6B
RGB	134, 235, 107
RGB Percent	53%, 92%, 42%
CMY	0.4745, 0.0784, 0.5804
CMYK	0.43, 0.00, 0.54, 0.08
HSL	107°, 76%, 67%
HSV	107°, 54%, 92%
XYZ	42.1937, 65.5465, 24.3378
YIQ	190.2090, -19.1080, -61.2200

Conversions

Conversions Part 2

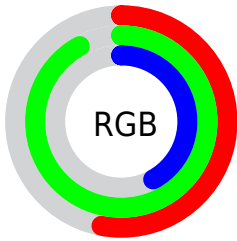
Format	Color
RYB	107, 235, 208
Decimal	8842091
CIELab	84.76, -52.91, 52.35
CIELCh	85, 74.433, 135.301
Yxy	65.5465, 0.3195, 0.4963
Android (android.graphics.Color)	4287032171 (0xFF86EB6B)
YUV	190.2090, -41.0220, -49.2953
Hunter-Lab	80.9608, -48.6539, 38.8493

Details

The XYZ color **42.1937, 65.5465, 24.3378** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **46.2687, 29.9255, 81.9383**, and the grayscale version is **49.3025, 51.8701, 56.4865**.

A 20% lighter version of the original color is **63.9313, 85.2997, 46.8132**, and **19.4879, 33.6030, 8.9489** is the 20% darker color. If you saturate the color by 10%, you get **38.4209, 63.7275, 18.5615**, and if you desaturate by 10%, it is **46.8239, 67.7726, 31.9104**.

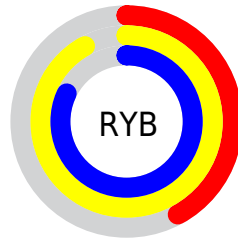
Distribution



Red (53%)

Green (92%)

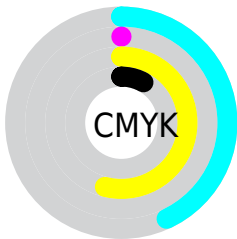
Blue (42%)



Red (42%)

Yellow (92%)

Blue (82%)

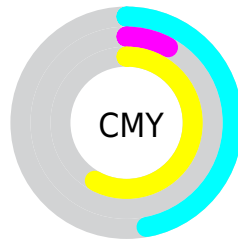


Cyan (43%)

Magenta (0%)

Yellow (54%)

Black (8%)



Cyan (47%)


Magenta (8%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1937, 65.5465, 24.3378 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 42.1937, 65.5465, 24.3378 by changing the saturation by 10% instead.


 42.1937, 65.5465,
24.3378


 42.1937, 65.5465,
24.3378


346.2633,
444.7533, 287.8652


 29.4448, 47.9044,
15.3699


 77.7560, 112.8352,
51.5316


 19.5635, 33.7511,
8.9299


 101.3001,
143.2505, 70.5946

 12.1846, 22.7025,
4.5993

 129.1733,
178.6924, 93.8596

 6.9426, 14.3740,
1.9595

 161.7410,
219.5452, 121.7453

 3.4722, 8.3812,
0.5302

199.3684,
266.1932, 154.6702

 1.4081, 4.3398,
0.0000

242.4211,

 0.2620, 1.8654,

319.0210, 193.0528

0.0000

291.2642,
378.4129, 237.3116

■ 0.0000, 0.5275,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1937, 65.5465,
24.3378

■ 42.1937, 65.5465,
24.3378

■ 38.4209, 63.7275,
18.5615

■ 46.8239, 67.7726,
31.9104

■ 35.4458, 62.2822,
14.4288


■ 52.3566, 70.4204,
41.4068


■ 33.2080, 61.1851,
11.7692

■ 58.8394, 73.5137,
52.9477


■ 31.6352, 60.4036,
10.3725

■ 66.3149, 77.0721,
66.6429

 31.0037, 60.0864,
9.9638

 74.8233, 81.1140,
82.5942

 84.4023, 85.6570,
100.8970

 88.9996, 87.8993,
106.8832

Harmonies

Analogous

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



54.2243, 65.5465, 14.4170



42.1937, 65.5465, 24.3378



36.1704, 65.5465, 50.5316

Triad

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



42.1937, 65.5465, 24.3378



54.5209, 65.5465, 201.9469



98.5825, 65.5465, 49.7961

Complementary

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



42.1937, 65.5465, 24.3378



46.2687, 29.9255, 81.9383

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.



98.7008, 65.5465, 97.2673



42.1937, 65.5465, 24.3378



71.1402, 65.5465, 201.4486

Square

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



42.1937, 65.5465, 24.3378



42.3774, 65.5465, 158.4443



87.9529, 65.5465, 157.2881



87.6540, 65.5465, 24.0069

Rectangle

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



42.1937, 65.5465, 24.3378



35.5399, 65.5465, 80.1833



87.9529, 65.5465, 157.2881



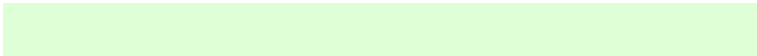
99.9445, 65.5465, 63.2255

Sweetspot

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



42.1953, 65.5493, 24.3392



78.2946, 92.0423, 77.3917



59.2950, 63.4817, 23.0389



16.3473, 19.5053, 15.8078



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.



42.1953, 65.5493, 24.3392



45.9161, 76.5461, 21.8612



40.7519, 64.5367, 36.4031



15.1652, 17.0152, 16.0037



17.3402, 33.4837, 5.5491



1.4403, 2.6698, 0.4394

Inverse Universe

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



46.2687, 29.9255, 81.9383



51.1709, 29.6285, 97.6296



49.7989, 32.2904, 57.4812



15.3858, 15.1441, 19.0344



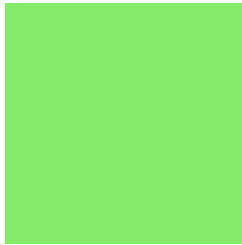
19.6498, 9.1658, 44.4765



1.6207, 0.7598, 3.4961

Previews

White Background



This preview shows how the XYZ color 42.1937, 65.5465, 24.3378 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 42.1937, 65.5465, 24.3378 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

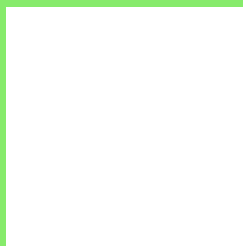
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1937, 65.5465, 24.3378

Background



This preview shows how black text looks on a background with the XYZ color 42.1937, 65.5465, 24.3378.

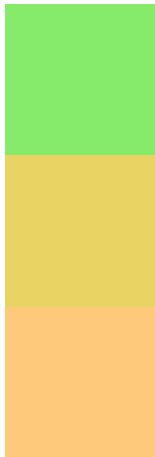


This preview shows how white text looks on a background with the XYZ color 42.1937, 65.5465,

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

42.1937, 65.5465, 24.3378

Protanopia

59.1507, 64.8130, 21.1970

Deuteranopia

65.7018, 64.4633, 27.7187



Tritanopia

55.5370, 65.2140, 91.3218

Trichromacy



Original Color

42.1937, 65.5465, 24.3378



Protanomaly

51.0174, 64.0160, 22.2378



Deuteranomaly

53.8691, 62.7217, 26.0969



Tritanomaly

48.9948, 64.5439, 59.1661

Monochromacy



Original Color

42.1937, 65.5465, 24.3378



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.9940, 55.2267, 41.5461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1937, 65.5465, 24.3378 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(134, 235, 107)` looks like.

```
.text, #text, p{  
    color:rgb(134, 235, 107)  
}
```

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(134, 235, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 235, 107) }
```

Border

The CSS property to change the border of an element to XYZ 42.1937, 65.5465, 24.3378 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(134, 235, 107) }
```


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

```
.border{ border-color:rgb(134, 235, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 235, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 235, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 235, 107);  
box-shadow:4px 4px 4px 4px rgb(134, 235,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1937, 65.5465, 24.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 235, 107) }
```

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

```
.background{ background-color: rgb(134,  
235, 107) }
```

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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