

Converting Colors

XYZ(42.4378, 63.3602, 29.0485)

Have a look what the booklet for
XYZ(42.4378, 63.3602, 29.0485)
contains.

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Color

**XYZ(42.5824, 63.5378,
29.0885)**

Conversions

Conversions Part 1

Format	Color
Hex	8BE67C
RGB	139, 230, 124
RGB Percent	55%, 90%, 49%
CMY	0.4549, 0.0980, 0.5137
CMYK	0.40, 0.00, 0.46, 0.10
HSL	112°, 68%, 69%
HSV	112°, 46%, 90%
XYZ	42.5824, 63.5378, 29.0885
YIQ	190.7070, -20.2100, -52.2580

Conversions

Conversions Part 2

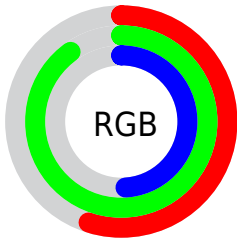
Format	Color
RYB	124, 230, 215
Decimal	9168508
CIELab	83.72, -47.26, 43.13
CIELCh	84, 63.979, 137.615
Yxy	63.5378, 0.3149, 0.4699
Android (android.graphics.Color)	4287358588 (0xFF8BE67C)
YUV	190.7070, -32.8866, -45.3470
Hunter-Lab	79.7106, -44.1366, 34.1609

Details

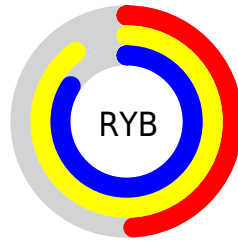
The XYZ color **42.5824, 63.5378, 29.0885** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.5178, 34.5775, 78.9305**, and the grayscale version is **49.5457, 52.1260, 56.7652**.

A 20% lighter version of the original color is **66.5608, 86.4701, 55.3018**, and **19.8730, 32.5790, 11.3718** is the 20% darker color. If you saturate the color by 10%, you get **38.2899, 61.4758, 22.1605**, and if you desaturate by 10%, it is **47.8128, 66.0479, 37.8337**.

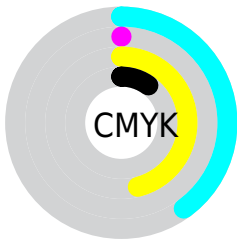
Distribution



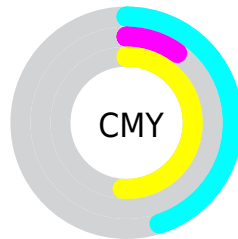
- Red (55%)
- Green (90%)
- Blue (49%)



- Red (49%)
- Yellow (90%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (46%)
- Black (10%)



- Cyan (45%)
- Magenta (10%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5824, 63.5378, 29.0885 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 42.5824, 63.5378, 29.0885 by changing the saturation by 10% instead.

■ 42.5824, 63.5378,
29.0885

■ 42.5824, 63.5378,
29.0885

347.8423,
437.5186, 311.7063

■ 29.7507, 46.2764,
18.9016

■ 78.3400, 109.9450,
59.2615

■ 19.7966, 32.4640,
11.4231

■ 101.9965,
139.8597, 80.0848

■ 12.3547, 21.7162,
6.2345

■ 129.9921,
174.7608, 105.2905

■ 7.0596, 13.6485,
2.9171

162.6920,
215.0329, 135.2974

■ 3.5461, 7.8766,
1.0524

200.4616,
261.0604, 170.5238

■ 1.4487, 4.0161,
0.0000

243.6663,

■ 0.2905, 1.6826,

313.2276, 211.3884

0.0000

292.6714,
371.9188, 258.3097

■ 0.0000, 0.4123,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5824, 63.5378,
29.0885

■ 42.5824, 63.5378,
29.0885

■ 38.2899, 61.4758,
22.1605

■ 47.8128, 66.0479,
37.8337

■ 34.8746, 59.8276,
16.9179


■ 54.0276, 69.0220,
48.5072


■ 32.2759, 58.5671,
13.2181


■ 61.2761, 72.4849,
61.2160


■ 30.4233, 57.6616,
10.8929

■ 69.6025, 76.4574,
76.0583

 29.2330, 57.0724,
9.7338

 79.0487, 80.9592,
93.1258

 28.9107, 56.9120,
9.4614

 87.5881, 85.0761,
106.4127

Harmonies

Analogous

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



52.5924, 63.5378, 18.5938



42.5824, 63.5378, 29.0885



37.6959, 63.5378, 53.9049

Triad

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



42.5824, 63.5378, 29.0885



54.7899, 63.5378, 175.3490



89.9107, 63.5378, 48.3439

Complementary

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



42.5824, 63.5378, 29.0885



49.5178, 34.5775, 78.9305

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.



90.7436, 63.5378, 87.1027



42.5824, 63.5378, 29.0885



68.9243, 63.5378, 171.9801

Square

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



42.5824, 63.5378, 29.0885



43.9758, 63.5378, 143.3397



82.5786, 63.5378, 135.3924



80.4535, 63.5378, 26.3804

Rectangle

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



42.5824, 63.5378, 29.0885



37.4120, 63.5378, 79.9289



82.5786, 63.5378, 135.3924



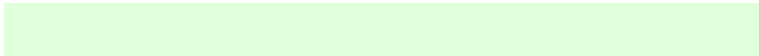
91.2558, 63.5378, 59.4441

Sweetspot

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



42.5840, 63.5405, 29.0899



79.4351, 92.5538, 80.9031



60.3458, 66.4250, 28.7105



16.5399, 19.5895, 16.4974



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.



42.5840, 63.5405, 29.0899



48.7666, 77.8693, 28.6044



43.0528, 63.4583, 43.7457



14.3781, 16.1865, 15.2709



16.4273, 32.2501, 5.3591



1.2742, 2.4142, 0.3988

Inverse Universe

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



49.5178, 34.5775, 78.9305



58.4648, 37.1133, 98.6899



49.4575, 35.0858, 54.5615



14.7841, 14.5065, 18.1652



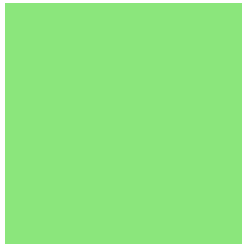
21.2692, 10.0306, 43.1983



1.6270, 0.7697, 3.1948

Previews

White Background



This preview shows how the XYZ color 42.5824, 63.5378, 29.0885 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 42.5824, 63.5378, 29.0885 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 42.5824, 63.5378, 29.0885

Background



This preview shows how black text looks on a background with the XYZ color 42.5824, 63.5378, 29.0885.



This preview shows how white text looks on a background with the XYZ color 42.5824, 63.5378,

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

42.5824, 63.5378, 29.0885

Protanopia

57.7032, 62.8667, 25.6162

Deuteranopia

63.7833, 62.3781, 30.5082



Tritanopia

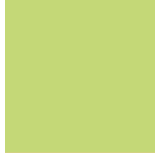
54.3055, 63.0974, 87.9141

Trichromacy



Original Color

42.5824, 63.5378, 29.0885



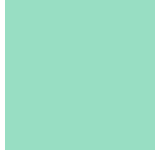
Protanomaly

50.6506, 62.1794, 26.7850



Deuteranomaly

53.5874, 61.3798, 29.7920



Tritanomaly

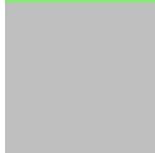
48.9205, 62.8581, 61.1842

Monochromacy



Original Color

42.5824, 63.5378, 29.0885



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.8196, 55.2233, 44.8034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5824, 63.5378, 29.0885 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(139, 230, 124)` looks like.

```
.text, #text, p{  
    color:rgb(139, 230, 124)  
}
```

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(139, 230, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 230, 124) }
```

Border

The CSS property to change the border of an element to XYZ 42.5824, 63.5378, 29.0885 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(139, 230, 124) }
```


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

```
.border{ border-color:rgb(139, 230, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 230, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 230, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 230, 124);  
box-shadow:4px 4px 4px 4px rgb(139, 230,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5824, 63.5378, 29.0885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 230, 124) }
```

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

```
.background{ background-color: rgb(139,  
230, 124) }
```

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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