

Converting Colors

XYZ(29.7747, 42.6040, 21.2885)

Have a look what the booklet for
XYZ(29.7747, 42.6040, 21.2885)
contains.

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Color

**XYZ(29.9027, 42.7474,
21.4269)**

Conversions

Conversions Part 1

Format	Color
Hex	7DBF6E
RGB	125, 191, 110
RGB Percent	49%, 75%, 43%
CMY	0.5098, 0.2510, 0.5686
CMYK	0.35, 0.00, 0.42, 0.25
HSL	109°, 39%, 59%
HSV	109°, 42%, 75%
XYZ	29.9027, 42.7474, 21.4269
YIQ	162.0320, -13.3350, -39.1830

Conversions

Conversions Part 2

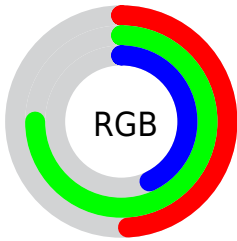
Format	Color
RYB	110, 191, 176
Decimal	8241006
CIELab	71.38, -36.59, 34.33
CIELCh	71, 50.171, 136.824
Yxy	42.7474, 0.3179, 0.4544
Android (android.graphics.Color)	4286431086 (0xFF7DBF6E)
YUV	162.0320, -25.6518, -32.4771
Hunter-Lab	65.3815, -32.7794, 26.3365

Details

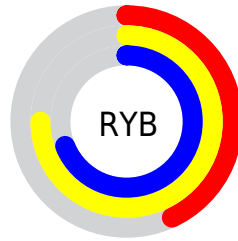
The XYZ color **29.9027, 42.7474, 21.4269** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **32.8865, 24.1450, 52.2197**, and the grayscale version is **34.4794, 36.2751, 39.5035**.

A 20% lighter version of the original color is **59.0007, 79.4824, 46.8823**, and **12.4338, 19.5953, 7.4019** is the 20% darker color. If you saturate the color by 10%, you get **26.8763, 41.2960, 16.4298**, and if you desaturate by 10%, it is **33.5115, 44.4757, 27.6231**.

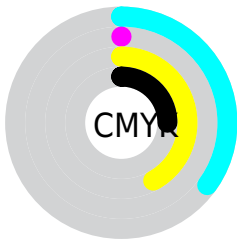
Distribution



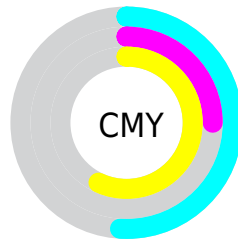
- Red (49%)
- Green (75%)
- Blue (43%)



- Red (43%)
- Yellow (75%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (42%)
- Black (25%)



- Cyan (51%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9027, 42.7474, 21.4269 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 29.9027, 42.7474, 21.4269 by changing the saturation by 10% instead.

■ 29.9027, 42.7474,
21.4269

■ 29.9027, 42.7474,
21.4269

293.3686,
357.5719, 272.3938

■ 19.9125, 29.6870,
13.2421

■ 58.8960, 79.3295,
46.6869

■ 12.4393, 19.6011,
7.4628

■ 78.6297, 103.6200,
64.5992

■ 7.1179, 12.1054,
3.6704

■ 102.3419,
132.4227, 86.5912

■ 3.5829, 6.8155,
1.4463

■ 130.3981,
166.1219, 113.0813

■ 1.4690, 3.3470,
0.1775

163.1634,
205.1020, 144.4880

■ 0.3046, 1.3155,
0.0000

201.0034,

■ 0.0000, 0.1531,

249.7474, 181.2300

0.0000

244.2834,
300.4426, 223.7257

■ 0.0000, 0.0000,
0.0000

■ 29.9027, 42.7474,
21.4269

■ 29.9027, 42.7474,
21.4269

■ 26.8763, 41.2960,
16.4298

■ 33.5115, 44.4757,
27.6231

■ 24.3979, 40.1016,
12.5515

■ 37.7282, 46.4886,
35.0861

■ 22.4347, 39.1505,
9.7066


■ 42.5805, 48.8005,
43.8817


■ 20.9483, 38.4250,
7.7960


■ 48.0938, 51.4228,
54.0706


■ 19.8950, 37.9051,
6.7013


■ 54.2916, 54.3668,
65.7097

 19.3373, 37.6271,
6.2436

 61.1967, 57.6427,
78.8525

 68.8305, 61.2607,
93.5502

 75.9311, 64.7172,
103.0974

 77.9217, 65.7434,
103.1906

Harmonies

Analogous

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



36.1097, 42.7474, 14.7156



29.9027, 42.7474, 21.4269



26.7830, 42.7474, 36.7296

Triad

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



29.9027, 42.7474, 21.4269



37.0404, 42.7474, 108.0867



58.2372, 42.7474, 34.3418

Complementary

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



29.9027, 42.7474, 21.4269



32.8865, 24.1450, 52.2197

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.



58.5779, 42.7474, 57.9689



29.9027, 42.7474, 21.4269



45.5129, 42.7474, 106.7488

Square

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



29.9027, 42.7474, 21.4269



30.5024, 42.7474, 89.3561



53.6579, 42.7474, 86.1619



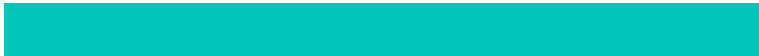
52.7830, 42.7474, 20.2031

Rectangle

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



29.9027, 42.7474, 21.4269



26.5471, 42.7474, 52.2911



53.6579, 42.7474, 86.1619



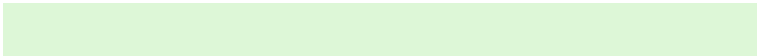
58.9775, 42.7474, 41.2354

Sweetspot

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



29.9038, 42.7492, 21.4278



75.5226, 87.0475, 77.2425



39.5933, 42.7863, 20.9243



16.1398, 18.9033, 16.1513



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9038, 42.7492, 21.4278



48.4309, 74.1009, 29.9044



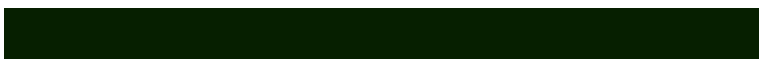
29.3866, 42.3082, 29.2826



9.5692, 10.7323, 10.1438



12.7584, 24.7531, 4.1054



0.5505, 0.9958, 0.1632

Inverse Universe

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



32.8865, 24.1450, 52.2197



54.4428, 36.3070, 92.4176



34.0107, 25.0083, 39.4502



9.7521, 9.6046, 12.0121



15.2072, 7.1257, 32.9668



0.6414, 0.3027, 1.2935

Previews

White Background



This preview shows how the XYZ color 29.9027, 42.7474, 21.4269 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 29.9027, 42.7474, 21.4269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

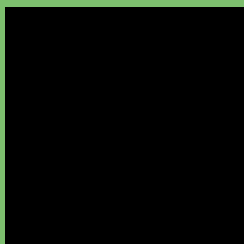
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9027, 42.7474, 21.4269

Background



This preview shows how black text looks on a background with the XYZ color 29.9027, 42.7474, 21.4269.



This preview shows how white text looks on a background with the XYZ color 29.9027, 42.7474,

21.4269.

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

29.9027, 42.7474, 21.4269

Protanopia

38.8699, 42.2187, 19.1971

Deuteranopia

43.0831, 42.0887, 22.3762



Tritanopia

37.3029, 42.6087, 58.4828

Trichromacy



Original Color

29.9027, 42.7474, 21.4269

Protanomaly

34.6487, 41.7901, 19.8758

Deuteranomaly

36.7273, 41.3398, 21.9632

Tritanomaly

34.1322, 42.5654, 42.0143

Monochromacy



Original Color

29.9027, 42.7474, 21.4269

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.2959, 38.2599, 31.6693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9027, 42.7474, 21.4269 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(125, 191, 110)` looks like.

```
.text, #text, p{  
    color:rgb(125, 191, 110)  
}
```

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(125, 191, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 191, 110) }
```

Border

The CSS property to change the border of an element to XYZ 29.9027, 42.7474, 21.4269 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(125, 191, 110) }
```


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

```
.border{ border-color:rgb(125, 191, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 191, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 191, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 191, 110);  
box-shadow:4px 4px 4px 4px rgb(125, 191,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9027, 42.7474, 21.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 191, 110) }
```

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

```
.background{ background-color: rgb(125,  
191, 110) }
```

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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