

Converting Colors

XYZ(29.5427, 42.1455, 21.5122)

Have a look what the booklet for
XYZ(29.5427, 42.1455, 21.5122)
contains.

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Color

**XYZ(29.5949, 42.2597,
21.6360)**

Conversions

Conversions Part 1

Format	Color
Hex	7CBE6F
RGB	124, 190, 111
RGB Percent	49%, 75%, 44%
CMY	0.5137, 0.2549, 0.5647
CMYK	0.35, 0.00, 0.42, 0.25
HSL	110°, 38%, 59%
HSV	110°, 42%, 75%
XYZ	29.5949, 42.2597, 21.6360
YIQ	161.2600, -13.9770, -38.5610

Conversions

Conversions Part 2

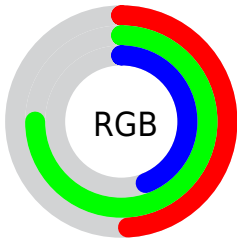
Format	Color
RYB	111, 190, 177
Decimal	8175215
CIELab	71.05, -36.32, 33.38
CIElCh	71, 49.328, 137.418
Yxy	42.2597, 0.3166, 0.4520
Android (android.graphics.Color)	4286365295 (0xFF7CBE6F)
YUV	161.2600, -24.7782, -32.6770
Hunter-Lab	65.0075, -32.5002, 25.7721

Details

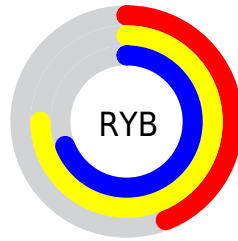
The XYZ color **29.5949, 42.2597, 21.6360** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **33.1120, 24.4349, 51.6887**, and the grayscale version is **34.1145, 35.8911, 39.0854**.

A 20% lighter version of the original color is **58.5520, 78.7856, 47.2431**, and **12.2722, 19.2957, 7.6351** is the 20% darker color. If you saturate the color by 10%, you get **26.5459, 40.7974, 16.6012**, and if you desaturate by 10%, it is **33.2379, 44.0050, 27.8619**.

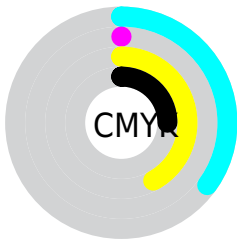
Distribution



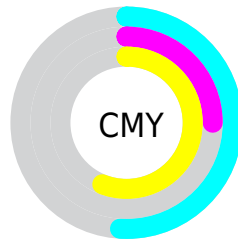
- Red (49%)
- Green (75%)
- Blue (44%)



- Red (44%)
- Yellow (75%)
- Blue (69%)



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



- Cyan (51%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5949, 42.2597, 21.6360 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 29.5949, 42.2597, 21.6360 by changing the saturation by 10% instead.

■ 29.5949, 42.2597,
21.6360

■ 29.5949, 42.2597,
21.6360

291.9554,
355.5584, 273.5307

■ 19.6779, 29.3047,
13.3939

■ 58.4120, 78.5925,
47.0381

■ 12.2680, 19.3114,
7.5665

■ 78.0427, 102.7391,
65.0352

■ 7.0000, 11.8955,
3.7350

■ 101.6421,
131.3851, 87.1211

■ 3.5084, 6.6726,
1.4811

■ 129.5754,
164.9147, 113.7142

■ 1.4280, 3.2582,
0.2038

162.2080,
203.7125, 145.2332

■ 0.2760, 1.2680,
0.0000

199.9054,

■ 0.0000, 0.1162,

248.1627, 182.0966

0.0000

243.0327,
298.6499, 224.7229

■ 0.0000, 0.0000,
0.0000

■ 29.5949, 42.2597,
21.6360

■ 29.5949, 42.2597,
21.6360

■ 26.5459, 40.7974,
16.6012

■ 33.2379, 44.0050,
27.8619

■ 24.0559, 39.5980,
12.6789

■ 37.5011, 46.0415,
35.3453

■ 22.0908, 38.6470,
9.7854


■ 42.4131, 48.3840,
44.1510


■ 20.6118, 37.9264,
7.8243


■ 47.9997, 51.0442,
54.3384

■ 19.5738, 37.4156,
6.6805


■ 54.2852, 54.0338,
65.9635

 18.9873, 37.1240,
6.1649

 61.2929, 57.3633,
79.0790

 69.0446, 61.0431,
93.7352

 76.2457, 64.5567,
103.0498

 77.7043, 65.3086,
103.1181

Harmonies

Analogous

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



35.6086, 42.2597, 14.8810



29.5949, 42.2597, 21.6360



26.6044, 42.2597, 36.8215

Triad

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



29.5949, 42.2597, 21.6360



36.8137, 42.2597, 106.0155



57.2570, 42.2597, 33.7249

Complementary

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



29.5949, 42.2597, 21.6360



33.1120, 24.4349, 51.6887

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.



57.6964, 42.2597, 56.6208



29.5949, 42.2597, 21.6360



45.0978, 42.2597, 104.2962

Square

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



29.5949, 42.2597, 21.6360



30.3728, 42.2597, 88.1558



52.9965, 42.2597, 84.0452



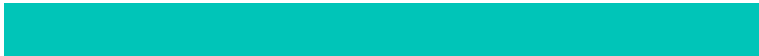
51.8674, 42.2597, 20.0399

Rectangle

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



29.5949, 42.2597, 21.6360



26.4165, 42.2597, 52.1235



52.9965, 42.2597, 84.0452



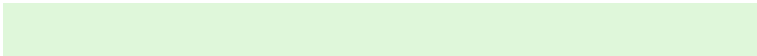
58.0124, 42.2597, 40.4010

Sweetspot

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



29.5960, 42.2615, 21.6369



76.2729, 87.3973, 78.9515



39.7955, 43.4753, 21.3336



16.4774, 19.0623, 16.8472



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.



29.5960, 42.2615, 21.6369



48.4913, 74.1143, 30.7109



29.5096, 42.0241, 30.3496



9.5511, 10.7230, 10.1430



12.6703, 24.7076, 4.1013



0.5426, 0.9917, 0.1628

Inverse Universe

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



33.1120, 24.4349, 51.6887



55.6884, 37.4020, 92.5633



33.5919, 24.9854, 38.0181



9.7717, 9.6147, 12.0130



15.7094, 7.3846, 32.9903



0.6571, 0.3108, 1.2942

Previews

White Background



This preview shows how the XYZ color 29.5949, 42.2597, 21.6360 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 29.5949, 42.2597, 21.6360 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 29.5949, 42.2597, 21.6360

Background



This preview shows how black text looks on a background with the XYZ color 29.5949, 42.2597, 21.6360.



This preview shows how white text looks on a background with the XYZ color 29.5949, 42.2597,

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

29.5949, 42.2597, 21.6360

Protanopia

38.4796, 41.7259, 19.3904

Deuteranopia

42.5792, 41.8222, 22.6579



Tritanopia

36.8190, 42.0716, 57.8098

Trichromacy



Original Color

29.5949, 42.2597, 21.6360



Protanomaly

34.2910, 41.3011, 20.0745



Deuteranomaly

36.5559, 41.2449, 22.2540



Tritanomaly

33.6728, 42.0296, 41.4597

Monochromacy



Original Color

29.5949, 42.2597, 21.6360



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.9232, 37.7841, 31.5971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5949, 42.2597, 21.6360 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(124, 190, 111)` looks like.

```
.text, #text, p{  
    color:rgb(124, 190, 111)  
}
```

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(124, 190, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 190, 111) }
```

Border

The CSS property to change the border of an element to XYZ 29.5949, 42.2597, 21.6360 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(124, 190, 111) }
```


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

```
.border{ border-color:rgb(124, 190, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 190, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 190, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 190, 111);  
box-shadow:4px 4px 4px 4px rgb(124, 190,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5949, 42.2597, 21.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 190, 111) }
```

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

```
.background{ background-color: rgb(124,  
190, 111) }
```

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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