

Converting Colors

XYZ(31.4042, 49.3515, 29.5194)

Have a look what the booklet for
XYZ(31.4042, 49.3515, 29.5194)
contains.

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Color

**XYZ(31.2687, 49.1301,
29.3078)**

Conversions

Conversions Part 1

Format	Color
Hex	5ED083
RGB	94, 208, 131
RGB Percent	37%, 82%, 51%
CMY	0.6314, 0.1843, 0.4863
CMYK	0.55, 0.00, 0.37, 0.18
HSL	139°, 55%, 59%
HSV	139°, 55%, 82%
XYZ	31.2687, 49.1301, 29.3078
YIQ	165.1360, -43.2270, -48.1150

Conversions

Conversions Part 2

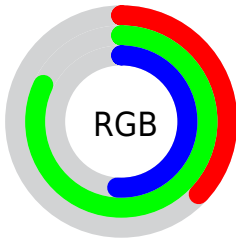
Format	Color
RYB	94, 180, 208
Decimal	6213763
CIELab	75.53, -49.37, 28.68
CIELCh	76, 57.096, 149.846
Yxy	49.1301, 0.2850, 0.4478
Android (android.graphics.Color)	4284403843 (0xFF5ED083)
YUV	165.1360, -16.8290, -62.3863
Hunter-Lab	70.0929, -43.0330, 24.2742

Details

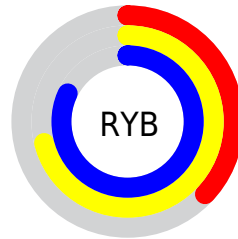
The XYZ color **31.2687, 49.1301, 29.3078** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **37.3673, 24.3566, 41.2615**, and the grayscale version is **35.9236, 37.7944, 41.1581**.

A 20% lighter version of the original color is **57.4659, 81.6982, 58.6395**, and **13.2773, 23.5832, 11.6368** is the 20% darker color. If you saturate the color by 10%, you get **28.5279, 47.8212, 24.5420**, and if you desaturate by 10%, it is **34.7159, 50.7910, 34.7829**.

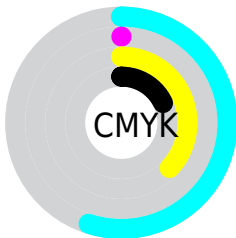
Distribution



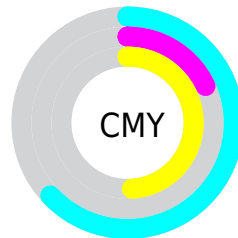
- Red (37%)
- Green (82%)
- Blue (51%)



- Red (37%)
- Yellow (71%)
- Blue (82%)



- Cyan (55%)
- Magenta (0%)
- Yellow (37%)
- Black (18%)



- Cyan (63%)
- Magenta (18%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2687, 49.1301, 29.3078 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 31.2687, 49.1301, 29.3078 by changing the saturation by 10% instead.

■ 31.2687, 49.1301,
29.3078

■ 31.2687, 49.1301,
29.3078

299.5791,
383.2543, 312.7707

■ 20.9564, 34.7227,
19.0662

■ 61.0358, 88.8847,
59.6138

■ 13.2044, 23.4493,
11.5408

■ 81.2213, 115.0006,
80.5152

■ 7.6474, 14.9256,
6.3131

■ 105.4286,
145.7881, 105.8071

■ 3.9201, 8.7672,
2.9645

■ 134.0231,
181.6317, 135.9078

■ 1.6570, 4.5897,
1.0766

167.3700,
222.9158, 171.2360

■ 0.4291, 2.0086,
0.0000

205.8347,

■ 0.0000, 0.6124,

270.0246, 212.2102

0.0000

249.7826,
323.3426, 259.2489

■ 0.0000, 0.0000,
0.0000

■ 31.2687, 49.1301,
29.3078

■ 31.2687, 49.1301,
29.3078

■ 28.5279, 47.8212,
24.5420

■ 34.7159, 50.7910,
34.7829

■ 26.4370, 46.8317,
20.4526

■ 38.9125, 52.8213,
40.9916

■ 24.9372, 46.1331,
17.0094

■ 43.9026, 55.2447,
47.9610

■ 23.9555, 45.6887,
14.1779

■ 49.7257, 58.0810,
55.7159

■ 23.5853, 45.5250,
12.9349

■ 56.4184, 61.3486,
64.2801

■ 64.0155, 65.0649,
73.6762

■ 72.5493, 69.2463,
83.9259

■ 80.0346, 72.8687,
94.9559

■ 81.8468, 73.5936,
104.4989

Harmonies

Analogous

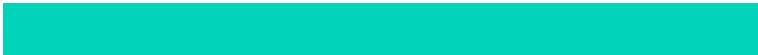
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3164, 49.1301, 17.2840



31.2687, 49.1301, 29.3078



29.2156, 49.1301, 53.3384

Triad

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



31.2687, 49.1301, 29.3078



46.6422, 49.1301, 135.0958



66.5809, 49.1301, 29.4891

Complementary

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



31.2687, 49.1301, 29.3078



37.3673, 24.3566, 41.2615

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.



70.0456, 49.1301, 53.6505



31.2687, 49.1301, 29.3078



57.5304, 49.1301, 121.3121

Square

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



31.2687, 49.1301, 29.3078



37.2351, 49.1301, 121.0430



66.5119, 49.1301, 88.2821



57.6389, 49.1301, 17.3575

Rectangle

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



31.2687, 49.1301, 29.3078



30.1052, 49.1301, 75.7262



66.5119, 49.1301, 88.2821



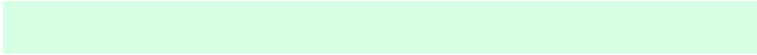
68.4797, 49.1301, 36.1047

Sweetspot

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



31.2700, 49.1321, 29.3089



77.4762, 91.4167, 86.5551



41.5693, 54.6815, 18.9537



16.1560, 19.3588, 17.9638



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.



31.2700, 49.1321, 29.3089



44.4944, 75.4646, 37.5467



36.1538, 51.0856, 55.0268



11.8122, 13.2686, 13.3675



14.7387, 28.3884, 8.2700



0.8603, 1.6018, 0.6528

Inverse Universe

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



37.3673, 24.3566, 41.2615



55.0933, 32.2157, 58.1890



33.1052, 22.6517, 18.8175



12.1408, 11.9411, 14.0172



19.2313, 9.5653, 16.6559



1.1108, 0.5491, 1.1185

Previews

White Background



This preview shows how the XYZ color 31.2687, 49.1301, 29.3078 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 31.2687, 49.1301, 29.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

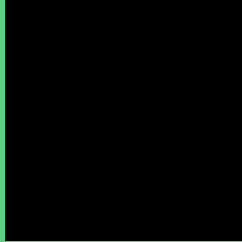
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2687, 49.1301, 29.3078

Background



This preview shows how black text looks on a background with the XYZ color 31.2687, 49.1301, 29.3078.

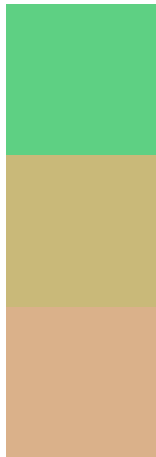


This preview shows how white text looks on a background with the XYZ color 31.2687, 49.1301,

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

31.2687, 49.1301, 29.3078

Protanopia

44.8875, 48.4959, 25.0840

Deuteranopia

49.2230, 48.1847, 30.7510



Tritanopia

39.5341, 48.9562, 70.9842

Trichromacy



Original Color

31.2687, 49.1301, 29.3078



Protanomaly

37.6719, 47.3020, 26.5467



Deuteranomaly

39.5900, 46.5999, 29.8297



Tritanomaly

35.9566, 48.8899, 52.8890

Monochromacy



Original Color

31.2687, 49.1301, 29.3078



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.9211, 40.8366, 36.2841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2687, 49.1301, 29.3078 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(94, 208, 131)` looks like.

```
.text, #text, p{  
    color:rgb(94, 208, 131)  
}
```

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(94, 208, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 208, 131) }
```

Border

The CSS property to change the border of an element to XYZ 31.2687, 49.1301, 29.3078 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(94, 208, 131) }
```


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

```
.border{ border-color:rgb(94, 208, 131) }
```

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

Here you see how a box with a 4 pixel rgb(94, 208, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 208, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 208, 131);  
box-shadow:4px 4px 4px 4px rgb(94, 208,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2687, 49.1301, 29.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 208, 131) }
```

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

```
.background{ background-color: rgb(94, 208,  
131) }
```

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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