

Converting Colors

XYZ(53.2213, 68.2630, 28.6132)

Have a look what the booklet for
XYZ(53.2213, 68.2630, 28.6132)
contains.

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Color

**XYZ(53.1869, 68.2047,
28.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E479
RGB	193, 228, 121
RGB Percent	76%, 89%, 47%
CMY	0.2431, 0.1059, 0.5255
CMYK	0.15, 0.00, 0.47, 0.11
HSL	80°, 66%, 68%
HSV	80°, 47%, 89%
XYZ	53.1869, 68.2047, 28.4507
YIQ	205.3370, 13.4870, -40.6970

Conversions

Conversions Part 2

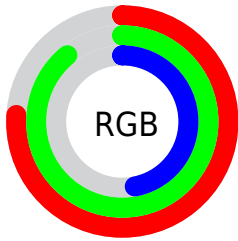
Format	Color
RYB	121, 228, 156
Decimal	12706937
CIELab	86.11, -28.10, 48.19
CIElCh	86, 55.781, 120.245
Yxy	68.2047, 0.3550, 0.4552
Android (android.graphics.Color)	4290897017 (0xFFC1E479)
YUV	205.3370, -41.5781, -10.8195
Hunter-Lab	82.5861, -29.5687, 37.3851

Details

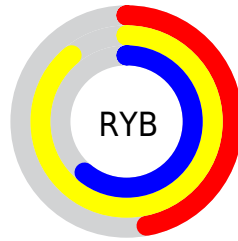
The XYZ color **53.1869, 68.2047, 28.4507** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.5539, 26.3459, 76.6667**, and the grayscale version is **58.4951, 61.5414, 67.0185**.

A 20% lighter version of the original color is **83.2815, 95.1244, 54.5289**, and **26.1432, 35.2531, 11.0569** is the 20% darker color. If you saturate the color by 10%, you get **50.0974, 66.7571, 21.8504**, and if you desaturate by 10%, it is **56.7061, 69.8400, 36.7986**.

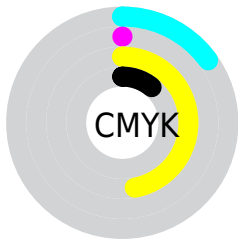
Distribution



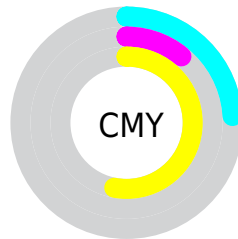
- Red (76%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (61%)



- Cyan (15%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1869, 68.2047, 28.4507 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 53.1869, 68.2047, 28.4507 by changing the saturation by 10% instead.


 53.1869, 68.2047,
28.4507


 53.1869, 68.2047,
28.4507


389.2509,
454.2209, 308.5937


 38.1801, 50.0643,
18.4237


 94.0432, 116.6449,
58.2349

 26.3003, 35.4645,
11.0820


 120.6235,
147.7135, 78.8292

 17.1823, 24.0209,
6.0072

 151.7922,
183.8603, 103.7831

 10.4607, 15.3491,
2.7806

187.9148,
225.4697, 133.5149

 5.7700, 9.0648,
0.9837

229.3566,
272.9261, 168.4434

 2.7451, 4.7835,
0.0000

276.4830,

 1.0204, 2.1208,

326.6138, 208.9870

0.0000

329.6593,
386.9173, 255.5642

0.0000, 0.6763,
0.0000

0.0000, 0.0000,
0.0000

53.1869, 68.2047,
28.4507

53.1869, 68.2047,
28.4507

50.0974, 66.7571,
21.8504

56.7061, 69.8400,
36.7986

47.4076, 65.4779,
16.8688


60.6728, 71.6632,
47.0021


45.0909, 64.3587,
13.3662


65.1094, 73.6857,
59.1657


43.1145, 63.3863,
11.1774


70.0354, 75.9155,
73.3849


 41.4364, 62.5436,
10.0892


 75.4691, 78.3601,
89.7488

 40.9601, 62.3024,
9.8668

 80.9724, 80.8444,
105.9446

 83.5256, 82.1606,
106.0641

 86.1838, 83.5310,
106.1885

 87.0349, 83.9697,
106.2283

Harmonies

Analogous

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



64.7210, 68.2047, 23.6774



53.1869, 68.2047, 28.4507



45.6962, 68.2047, 44.4504

Triad

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



53.1869, 68.2047, 28.4507



53.3473, 68.2047, 153.9500



92.7302, 68.2047, 73.9615

Complementary

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



53.1869, 68.2047, 28.4507



34.5539, 26.3459, 76.6667

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.



88.6658, 68.2047, 115.0940



53.1869, 68.2047, 28.4507



64.9321, 68.2047, 169.5810

Square

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



53.1869, 68.2047, 28.4507



45.7798, 68.2047, 115.7965



78.0513, 68.2047, 153.4591



88.5358, 68.2047, 44.0796

Rectangle

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



53.1869, 68.2047, 28.4507



43.4426, 68.2047, 62.9338



78.0513, 68.2047, 153.4591



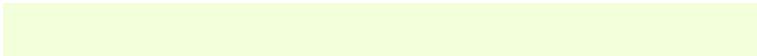
92.2788, 68.2047, 86.8770

Sweetspot

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



53.1886, 68.2077, 28.4522



85.6587, 95.7621, 81.1943



47.1505, 41.2805, 23.5729



18.0491, 20.3676, 16.5680



0.0000, 0.0000, 0.0000



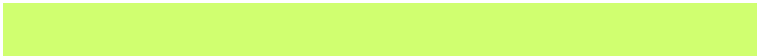
20.3446, 21.4041, 23.3091

Same Dimension

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



53.1886, 68.2077, 28.4522



64.7881, 86.1454, 28.6007



42.1162, 62.4997, 27.9340



15.1193, 16.5686, 15.3056



23.7803, 36.0407, 5.7032



1.8540, 2.7131, 0.4260

Inverse Universe

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



34.5539, 26.3459, 76.6667



38.1477, 26.2149, 97.6571



46.9638, 32.7434, 77.2475



14.0247, 14.1149, 18.1296



9.8542, 4.1459, 42.6640



0.8231, 0.3553, 3.1572

Previews

White Background



This preview shows how the XYZ color 53.1869, 68.2047, 28.4507 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 53.1869, 68.2047, 28.4507 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

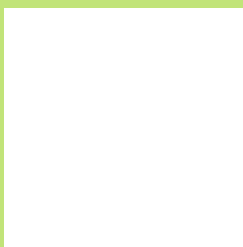
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1869, 68.2047, 28.4507

Background



This preview shows how black text looks on a background with the XYZ color 53.1869, 68.2047, 28.4507.



This preview shows how white text looks on a background with the XYZ color 53.1869, 68.2047,

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

53.1869, 68.2047, 28.4507

Protanopia

62.3779, 67.8664, 26.3348

Deuteranopia

68.5869, 67.8993, 35.8765



Tritanopia

64.5981, 67.6925, 86.0052

Trichromacy



Original Color

53.1869, 68.2047, 28.4507

Protanomaly

58.6820, 67.8666, 27.1462

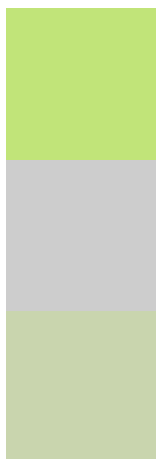
Deuteranomaly

62.0231, 67.5343, 33.0590

Tritanomaly

59.4647, 67.5487, 59.7733

Monochromacy



Original Color

53.1869, 68.2047, 28.4507

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.5216, 63.0620, 49.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1869, 68.2047, 28.4507 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(193, 228, 121)` looks like.

```
.text, #text, p{  
    color:rgb(193, 228, 121)  
}
```

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(193, 228, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 228, 121) }
```

Border

The CSS property to change the border of an element to XYZ 53.1869, 68.2047, 28.4507 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(193, 228, 121) }
```


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

```
.border{ border-color:rgb(193, 228, 121) }
```

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

Here you see how a box with a 4 pixel rgb(193, 228, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 228, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 228, 121);  
box-shadow:4px 4px 4px 4px rgb(193, 228,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1869, 68.2047, 28.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 228, 121) }
```

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

```
.background{ background-color: rgb(193,  
228, 121) }
```

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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