

Converting Colors

XYZ(50.6860, 66.9070, 30.9693)

Have a look what the booklet for
XYZ(50.6860, 66.9070, 30.9693)
contains.

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Color

**XYZ(50.7619, 66.8955,
31.0056)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B5E481 |
| RGB | 181, 228, 129 |
| RGB Percent | 71%, 89%, 51% |
| CMY | 0.2902, 0.1059, 0.4941 |
| CMYK | 0.21, 0.00, 0.43, 0.11 |
| HSL | 88°, 65%, 70% |
| HSV | 88°, 43%, 89% |
| XYZ | 50.7619, 66.8955, 31.0056 |
| YIQ | 202.6610, 3.7670, -40.7530 |

Conversions

Conversions Part 2

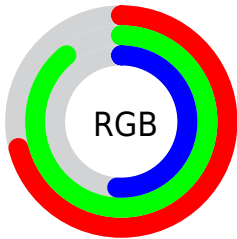
| Format | Color |
|-------------------------------------|--|
| RYB | 129, 228, 176 |
| Decimal | 11920513 |
| CIELab | 85.45, -31.62, 43.34 |
| CIELCh | 85, 53.647, 126.118 |
| Yxy | 66.8955, 0.3415, 0.4500 |
| Android (android.graphics.Color) | 4290110593 (0xFFB5E481) |
| YUV | 202.6610, -36.3149, -18.9967 |
| Hunter-Lab | 81.7897, -32.3478, 34.7766 |

Details

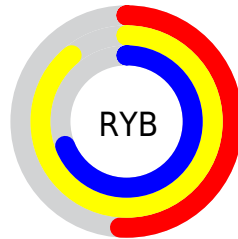
The XYZ color **50.7619, 66.8955, 31.0056** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.7611, 30.5340, 77.2005**, and the grayscale version is **56.7724, 59.7290, 65.0449**.

A 20% lighter version of the original color is **79.5671, 93.1160, 58.5793**, and **24.6963, 34.4765, 12.3742** is the 20% darker color. If you saturate the color by 10%, you get **46.9723, 65.1000, 23.7808**, and if you desaturate by 10%, it is **55.0903, 68.9339, 40.0234**.

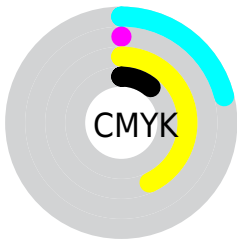
Distribution



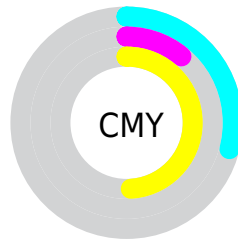
- Red (71%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (69%)



- Cyan (21%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7619, 66.8955, 31.0056 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 50.7619, 66.8955, 31.0056 by changing the saturation by 10% instead.

■ 50.7619, 66.8955,
31.0056

■ 50.7619, 66.8955,
31.0056

380.0409,
449.5727, 320.9161

■ 36.2394, 48.9997,
20.3446

■ 90.4878, 114.7707,
62.3286

■ 24.7901, 34.6192,
12.4592

■ 116.4220,
145.5188, 83.8276

■ 16.0487, 23.3697,
6.9309

■ 146.8907,
181.3199, 109.7765

■ 9.6497, 14.8667,
3.3411

182.2594,
222.5583, 140.5936

■ 5.2278, 8.7259,
1.2714

222.8934,
269.6183, 176.6976

■ 2.4176, 4.5628,
0.0381

269.1581,

■ 0.8539, 1.9931,

322.8845, 218.5070

0.0000

321.4188,
382.7412, 266.4403

0.0000, 0.6035,
0.0000

0.0000, 0.0000,
0.0000

50.7619, 66.8955,
31.0056

50.7619, 66.8955,
31.0056

46.9723, 65.1000,
23.7808

55.0903, 68.9339,
40.0234

43.6892, 63.5271,
18.2245


59.9774, 71.2167,
50.9388


40.8842, 62.1671,
14.2034


65.4482, 73.7568,
63.8536


38.5229, 61.0059,
11.5619

71.5243, 76.5633,
78.8610

 36.5646, 60.0264,
10.1111

 78.2262, 79.6448,
96.0483

 35.4561, 59.4649,
9.6091

 83.7841, 82.2938,
106.0761

 87.0348, 83.9696,
106.2283

Harmonies

Analogous

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



61.1205, 66.8955, 24.4569



50.7619, 66.8955, 31.0056



44.4954, 66.8955, 48.9352

Triad

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



50.7619, 66.8955, 31.0056



54.5712, 66.8955, 152.9100



89.8032, 66.8955, 65.9258

Complementary

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



50.7619, 66.8955, 31.0056



39.7611, 30.5340, 77.2005

Split Complementary

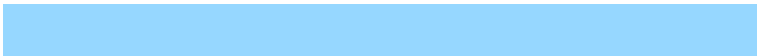
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4694, 66.8955, 103.4782



50.7619, 66.8955, 31.0056



66.1091, 66.8955, 161.8605

Square

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



50.7619, 66.8955, 31.0056



46.4905, 66.8955, 119.9141



78.3974, 66.8955, 141.4952



84.4205, 66.8955, 40.0451

Rectangle

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



50.7619, 66.8955, 31.0056



42.9762, 66.8955, 68.3946



78.3974, 66.8955, 141.4952



89.9035, 66.8955, 77.4694

Sweetspot

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



50.7636, 66.8984, 31.0070



84.6095, 95.1820, 82.9145



51.3288, 48.8192, 27.4876



17.7592, 20.2104, 16.9025



0.0000, 0.0000, 0.0000



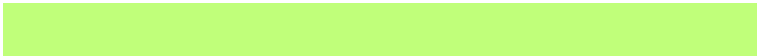
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7636, 66.8984, 31.0070



61.0469, 84.1472, 31.5671



41.2706, 62.0046, 30.5628



14.9081, 16.4597, 15.2958



20.6106, 34.4067, 5.5549



1.6302, 2.5978, 0.4155

Inverse Universe

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



39.7611, 30.5340, 77.2005



45.1525, 31.5962, 98.3266



52.8144, 37.2632, 77.8113



14.2305, 14.2210, 18.1392



11.8098, 5.1541, 42.7556



0.9793, 0.4358, 3.1645

Previews

White Background



This preview shows how the XYZ color 50.7619, 66.8955, 31.0056 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 50.7619, 66.8955, 31.0056 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 50.7619, 66.8955, 31.0056

Background



This preview shows how black text looks on a background with the XYZ color 50.7619, 66.8955, 31.0056.



This preview shows how white text looks on a background with the XYZ color 50.7619, 66.8955,

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

50.7619, 66.8955, 31.0056

Protanopia

60.9737, 66.3422, 28.3306

Deuteranopia

67.5665, 66.3392, 34.0545



Tritanopia

62.0288, 66.7307, 86.7018

Trichromacy



Original Color

50.7619, 66.8955, 31.0056



Protanomaly

56.5046, 65.9196, 29.1477



Deuteranomaly

60.2331, 65.8601, 32.8302



Tritanomaly

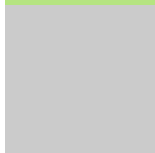
56.9294, 66.2029, 61.4077

Monochromacy



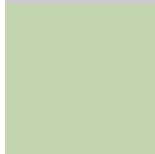
Original Color

50.7619, 66.8955, 31.0056



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.8856, 61.8237, 50.1674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7619, 66.8955, 31.0056 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(181, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(181, 228, 129)  
}
```

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(181, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 228, 129) }
```

Border

The CSS property to change the border of an element to XYZ 50.7619, 66.8955, 31.0056 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(181, 228, 129) }
```


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

```
.border{ border-color:rgb(181, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 228, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 228, 129); box-shadow:4px 4px 4px 4px rgb(181, 228, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7619, 66.8955, 31.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 228, 129) }
```

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

```
.background{ background-color: rgb(181,  
228, 129) }
```

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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