

Converting Colors

XYZ(41.9839, 61.7240, 31.0178)

Have a look what the booklet for
XYZ(41.9839, 61.7240, 31.0178)
contains.

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Color

**XYZ(41.9406, 61.5204,
31.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	8BE283
RGB	139, 226, 131
RGB Percent	55%, 89%, 51%
CMY	0.4549, 0.1137, 0.4863
CMYK	0.38, 0.00, 0.42, 0.11
HSL	115°, 62%, 70%
HSV	115°, 42%, 89%
XYZ	41.9406, 61.5204, 31.1369
YIQ	189.1570, -21.3570, -47.9890

Conversions

Conversions Part 2

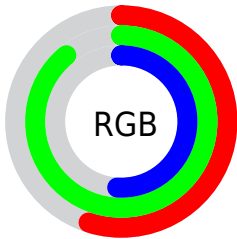
Format	Color
RYB	131, 226, 218
Decimal	9167491
CIELab	82.66, -44.59, 38.33
CIELCh	83, 58.803, 139.315
Yxy	61.5204, 0.3116, 0.4571
Android (android.graphics.Color)	4287357571 (0xFF8BE283)
YUV	189.1570, -28.6714, -43.9877
Hunter-Lab	78.4349, -41.8139, 31.3677

Details

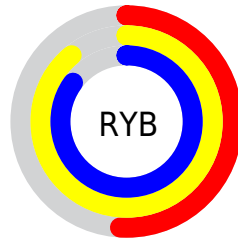
The XYZ color **41.9406, 61.5204, 31.1369** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.7601, 36.6310, 76.3499**, and the grayscale version is **48.6288, 51.1612, 55.7146**.

A 20% lighter version of the original color is **67.2819, 86.7585, 59.0989**, and **19.3900, 31.1676, 12.5834** is the 20% darker color. If you saturate the color by 10%, you get **37.4383, 59.3593, 23.7842**, and if you desaturate by 10%, it is **47.4344, 64.1576, 40.2825**.

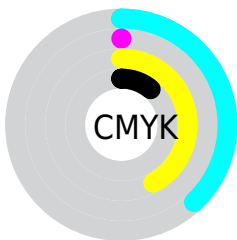
Distribution



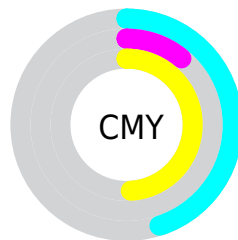
- Red (55%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (45%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9406, 61.5204, 31.1369 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 41.9406, 61.5204, 31.1369 by changing the saturation by 10% instead.

41.9406, 61.5204,
31.1369

41.9406, 61.5204,
31.1369

345.2325,
430.1795, 321.5392

29.2457, 44.6453,
20.4438

77.3754, 107.0321,
62.5376

19.4120, 31.1781,
12.5308

100.8461,
136.4374, 84.0823

12.0741, 20.7345,
6.9793

128.6394,
170.7883, 110.0813

6.8667, 12.9301,
3.3709

161.1206,
210.4691, 140.9531

3.4245, 7.3804,
1.2870

198.6552,
255.8642, 177.1163

1.3820, 3.7011,
0.0511

241.6084,

0.2434, 1.5078,

307.3581, 218.9893

0.0000

290.3458,
365.3350, 266.9908

■ 0.0000, 0.2942,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9406, 61.5204,
31.1369

■ 41.9406, 61.5204,
31.1369

■ 37.4383, 59.3593,
23.7842

■ 47.4344, 64.1576,
40.2825

■ 33.8639, 57.6387,
18.1029


■ 53.9691, 67.2888,
51.3236


■ 31.1536, 56.3303,
13.9631


■ 61.5964, 70.9402,
64.3600

■ 29.2336, 55.3993,
11.2139

■ 70.3632, 75.1340,
79.4834

 28.0174, 54.8052,
9.6741

 80.3137, 79.8911,
96.7795

 27.4667, 54.5339,
9.0785

 86.4876, 82.8752,
106.0459

Harmonies

Analogous

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



50.8116, 61.5204, 20.4877



41.9406, 61.5204, 31.1369



37.7292, 61.5204, 54.9124

Triad

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



41.9406, 61.5204, 31.1369



54.0900, 61.5204, 161.0665



84.4822, 61.5204, 46.5349

Complementary

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



41.9406, 61.5204, 31.1369



50.7601, 36.6310, 76.3499

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.



85.6952, 61.5204, 80.7094



41.9406, 61.5204, 31.1369



66.8689, 61.5204, 156.2595

Square

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



41.9406, 61.5204, 31.1369



44.0427, 61.5204, 134.6805



78.8635, 61.5204, 123.2459



75.7548, 61.5204, 26.9089

Rectangle

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



41.9406, 61.5204, 31.1369



37.6540, 61.5204, 78.8702



78.8635, 61.5204, 123.2459



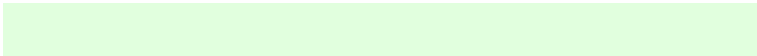
85.8253, 61.5204, 56.3586

Sweetspot

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



41.9421, 61.5230, 31.1383



79.8642, 92.7358, 82.6924



60.1477, 67.1788, 31.2704



16.5975, 19.6115, 16.8481



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.



41.9421, 61.5230, 31.1383



50.1435, 78.4887, 32.7569



43.7199, 62.0854, 47.2172



13.6352, 15.3921, 14.5591



15.7095, 31.1311, 5.1809



1.1265, 2.1772, 0.3609

Inverse Universe

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



50.7601, 36.6310, 76.3499



63.1046, 41.8089, 99.3517



48.5596, 36.0338, 51.9750



14.1752, 13.8739, 17.3185



22.5570, 10.7239, 41.9294



1.5976, 0.7609, 2.9079

Previews

White Background



This preview shows how the XYZ color 41.9406, 61.5204, 31.1369 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 41.9406, 61.5204, 31.1369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

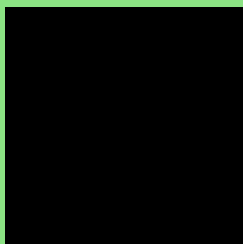
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9406, 61.5204, 31.1369

Background



This preview shows how black text looks on a background with the XYZ color 41.9406, 61.5204, 31.1369.

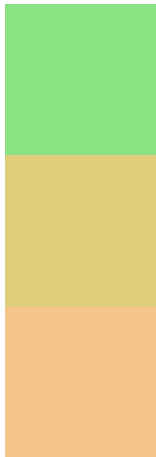


This preview shows how white text looks on a background with the XYZ color 41.9406, 61.5204,

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

41.9406, 61.5204, 31.1369

Protanopia

56.1469, 60.9400, 27.5422

Deuteranopia

61.9836, 60.7273, 32.4994



Tritanopia

52.5709, 61.1318, 84.6301

Trichromacy



Original Color

41.9406, 61.5204, 31.1369



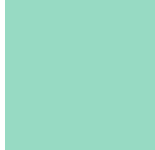
Protanomaly

49.5525, 60.4323, 28.7916



Deuteranomaly

52.1396, 59.4967, 31.6576



Tritanomaly

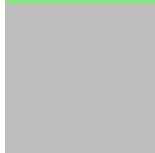
47.6842, 60.6622, 60.8255

Monochromacy



Original Color

41.9406, 61.5204, 31.1369



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.9830, 53.7261, 45.0451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9406, 61.5204, 31.1369 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(139, 226, 131)` looks like.

```
.text, #text, p{  
    color:rgb(139, 226, 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(139, 226, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 226, 131) }
```

Border

The CSS property to change the border of an element to XYZ 41.9406, 61.5204, 31.1369 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(139, 226, 131) }
```


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

```
.border{ border-color:rgb(139, 226, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 226, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 226, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 226, 131);  
box-shadow:4px 4px 4px 4px rgb(139, 226,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9406, 61.5204, 31.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 226, 131) }
```

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

```
.background{ background-color: rgb(139,  
226, 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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