

Converting Colors

XYZ(40.9047, 61.8486, 31.2356)

Have a look what the booklet for
XYZ(40.9047, 61.8486, 31.2356)
contains.

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Color

**XYZ(40.8934, 61.7926,
31.2446)**

Conversions

Conversions Part 1

Format	Color
Hex	81E483
RGB	129, 228, 131
RGB Percent	51%, 89%, 51%
CMY	0.4941, 0.1059, 0.4863
CMYK	0.43, 0.00, 0.43, 0.11
HSL	121°, 65%, 70%
HSV	121°, 43%, 89%
XYZ	40.8934, 61.7926, 31.2446
YIQ	187.3410, -27.8670, -51.1550

Conversions

Conversions Part 2

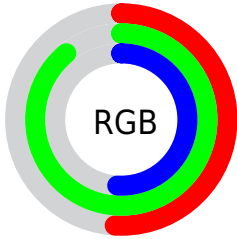
Format	Color
RYB	129, 226, 228
Decimal	8512643
CIELab	82.80, -48.41, 38.43
CIElCh	83, 61.812, 141.555
Yxy	61.7926, 0.3053, 0.4614
Android (android.graphics.Color)	4286702723 (0xFF81E483)
YUV	187.3410, -27.7761, -51.1651
Hunter-Lab	78.6083, -44.7056, 31.4597

Details

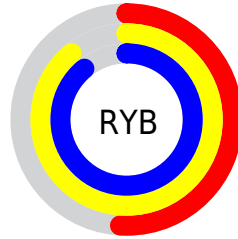
The XYZ color **40.8934, 61.7926, 31.2446** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.5745, 37.6866, 76.4040**, and the grayscale version is **47.5913, 50.0698, 54.5260**.

A 20% lighter version of the original color is **64.7667, 85.4619, 58.9812**, and **18.8730, 31.4620, 12.6675** is the 20% darker color. If you saturate the color by 10%, you get **36.4546, 59.6626, 23.9678**, and if you desaturate by 10%, it is **46.4345, 64.4567, 40.2794**.

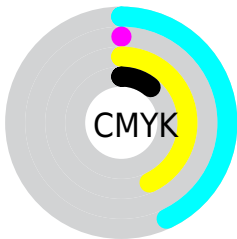
Distribution



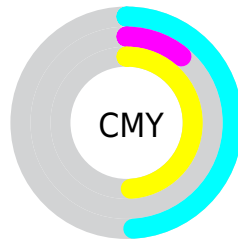
- Red (51%)
- Green (89%)
- Blue (51%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8934, 61.7926, 31.2446 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 40.8934, 61.7926, 31.2446 by changing the saturation by 10% instead.

40.8934, 61.7926,
31.2446

40.8934, 61.7926,
31.2446

340.9451,
431.1742, 322.0496

28.4231, 44.8651,
20.5252

75.7978, 107.4257,
62.7090

18.7869, 31.3512,
12.5895

98.9626, 136.9002,
84.2911

11.6195, 20.8664,
7.0191

126.4229,
171.3257, 110.3312

6.5555, 13.0264,
3.3954

158.5441,
211.0868, 141.2477

3.2295, 7.4467,
1.2999

195.6916,
256.5678, 177.4593

1.2763, 3.7430,
0.0617

238.2307,

0.1654, 1.5309,

308.1531, 219.3844

0.0000

286.5267,
366.2271, 267.4417

■ 0.0000, 0.3103,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8934, 61.7926,
31.2446

■ 40.8934, 61.7926,
31.2446

■ 36.4546, 59.6626,
23.9678

■ 46.4345, 64.4567,
40.2794

■ 33.0401, 58.0236,
18.3309


■ 53.1396, 67.6792,
51.1720


■ 30.5695, 56.8386,
14.2079


■ 61.0716, 71.4921,
64.0194


■ 28.9481, 56.0621,
11.4527

■ 70.2873, 75.9230,
78.9108

 28.0618, 55.6388,
9.8902

 80.8403, 80.9974,
95.9300

 27.7699, 55.4993,
9.3812

 87.0346, 83.9692,
106.2282

Harmonies

Analogous

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



49.8287, 61.7926, 19.5657



40.8934, 61.7926, 31.2446



36.8938, 61.7926, 57.0883

Triad

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



40.8934, 61.7926, 31.2446



55.0557, 61.7926, 168.8410



85.8722, 61.7926, 43.8015

Complementary

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



40.8934, 61.7926, 31.2446



53.5745, 37.6866, 76.4040

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.



87.8336, 61.7926, 78.6214



40.8934, 61.7926, 31.2446



68.6373, 61.7926, 160.9745

Square

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



40.8934, 61.7926, 31.2446



44.2231, 61.7926, 142.4895



81.1243, 61.7926, 123.8665



76.1108, 61.7926, 24.6770

Rectangle

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



40.8934, 61.7926, 31.2446



37.0709, 61.7926, 83.0441



81.1243, 61.7926, 123.8665



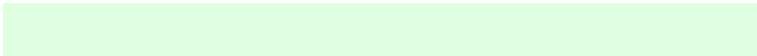
87.5189, 61.7926, 53.6517

Sweetspot

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



40.8949, 61.7952, 31.2460



79.0929, 92.3278, 83.1258



63.1824, 73.3003, 31.5876



16.4104, 19.5126, 16.9531



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.



40.8949, 61.7952, 31.2460



47.5496, 77.1696, 31.8183



45.0518, 63.4579, 53.1358



14.2011, 16.0939, 15.3237



16.0398, 32.0480, 5.4441



1.1895, 2.3699, 0.4244

Inverse Universe

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



53.5745, 37.6866, 76.4040



65.8701, 42.3260, 97.0588



47.7678, 35.3639, 45.8263



14.9819, 14.6099, 18.1050



26.2022, 12.6151, 41.5553



1.9403, 0.9338, 3.0921

Previews

White Background



This preview shows how the XYZ color 40.8934, 61.7926, 31.2446 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 40.8934, 61.7926, 31.2446 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 40.8934, 61.7926, 31.2446

Background



This preview shows how black text looks on a background with the XYZ color 40.8934, 61.7926, 31.2446.



This preview shows how white text looks on a background with the XYZ color 40.8934, 61.7926,

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

40.8934, 61.7926, 31.2446

Protanopia

56.0846, 60.9151, 27.2142

Deuteranopia

61.9836, 60.7273, 32.4994



Tritanopia

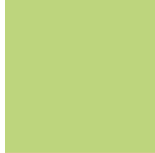
51.8415, 61.4790, 86.2251

Trichromacy



Original Color

40.8934, 61.7926, 31.2446



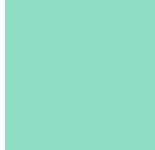
Protanomaly

48.4822, 59.8880, 28.4063



Deuteranomaly

51.5577, 59.5575, 31.7000



Tritanomaly

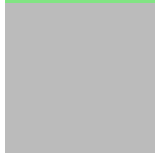
46.7123, 60.9227, 61.5218

Monochromacy



Original Color

40.8934, 61.7926, 31.2446



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.8215, 53.1381, 44.5063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8934, 61.7926, 31.2446 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(129, 228, 131)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 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(129, 228, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 131) }
```

Border

The CSS property to change the border of an element to XYZ 40.8934, 61.7926, 31.2446 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(129, 228, 131) }
```


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

```
.border{ border-color:rgb(129, 228, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 131);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8934, 61.7926, 31.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 131) }
```

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

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