

Converting Colors

XYZ(40.9130, 54.8686, 28.1730)

Have a look what the booklet for
XYZ(40.9130, 54.8686, 28.1730)
contains.

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Color

**XYZ(40.9130, 54.8686,
28.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	9ED27E
RGB	158, 210, 126
RGB Percent	62%, 82%, 49%
CMY	0.3804, 0.1765, 0.5059
CMYK	0.25, 0.00, 0.40, 0.18
HSL	97°, 48%, 66%
HSV	97°, 40%, 82%
XYZ	40.9130, 54.8686, 28.1730
YIQ	184.8760, -4.0280, -37.1480

Conversions

Conversions Part 2

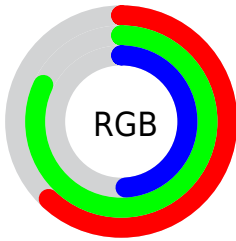
Format	Color
RYB	126, 210, 178
Decimal	10408574
CIELab	78.97, -31.81, 36.29
CIELCh	79, 48.258, 131.237
Yxy	54.8686, 0.3301, 0.4427
Android (android.graphics.Color)	4288598654 (0xFF9ED27E)
YUV	184.8760, -29.0259, -23.5703
Hunter-Lab	74.0733, -31.0373, 29.3010

Details

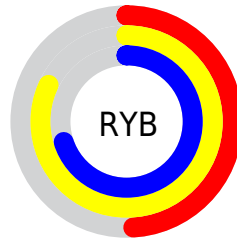
The XYZ color **40.9130, 54.8686, 28.1730** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.4562, 29.0414, 64.6071**, and the grayscale version is **46.2042, 48.6104, 52.9368**.

A 20% lighter version of the original color is **71.7298, 89.1114, 56.5997**, and **18.7003, 26.8937, 10.8620** is the 20% darker color. If you saturate the color by 10%, you get **37.2745, 53.1351, 21.6566**, and if you desaturate by 10%, it is **45.1093, 56.8602, 36.2025**.

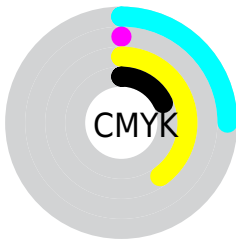
Distribution



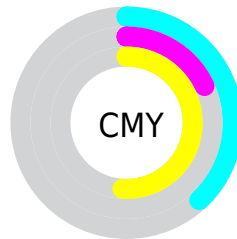
- Red (62%)
- Green (82%)
- Blue (49%)



- Red (49%)
- Yellow (82%)
- Blue (70%)



- Cyan (25%)
- Magenta (0%)
- Yellow (40%)
- Black (18%)





- Cyan (38%)
- Magenta (18%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9130, 54.8686, 28.1730 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 40.9130, 54.8686, 28.1730 by changing the saturation by 10% instead.


 40.9130, 54.8686,
28.1730


 40.9130, 54.8686,
28.1730


341.0257,
405.4136, 307.2306


 28.4385, 39.2965,
18.2159


 75.8273, 97.3484,
57.7869

 18.7986, 26.9905,
10.9341


 98.9979, 125.0249,
78.2809

 11.6280, 17.5661,
5.9089

 126.4645,
157.5051, 103.1243

 6.5613, 10.6389,
2.7219

158.5925,
195.1732, 132.7355

 3.2332, 5.8246,
0.9544

195.7472,
238.4137, 167.5332

 1.2782, 2.7387,
0.0000

238.2941,

 0.1668, 0.9969,

287.6111, 207.9360

0.0000

286.5985,
343.1496, 254.3622

■ 0.0000, 0.0000,
0.0000

■ 40.9130, 54.8686,
28.1730

■ 40.9130, 54.8686,
28.1730

■ 37.2745, 53.1351,
21.6566

■ 45.1093, 56.8602,
36.2025

■ 34.1635, 51.6409,
16.5549

■ 49.8836, 59.1133,
45.8282

■ 31.5523, 50.3761,
12.7633


■ 55.2602, 61.6405,
57.1315


■ 29.4091, 49.3265,
10.1615


■ 61.2606, 64.4510,
70.1870

■ 27.6968, 48.4765,
8.6066

■ 67.9052, 67.5540,
85.0649

 26.3555, 47.8007,
7.8374

 75.2134, 70.9580,
101.8317

 80.1672, 73.4565,
104.5610

 82.3377, 74.5754,
104.6626

Harmonies

Analogous

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



48.6386, 54.8686, 21.4655



40.9130, 54.8686, 28.1730



36.5634, 54.8686, 44.3114

Triad

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



40.9130, 54.8686, 28.1730



46.4403, 54.8686, 125.0164



72.4146, 54.8686, 50.0286

Complementary

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



40.9130, 54.8686, 28.1730



37.4562, 29.0414, 64.6071

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.



71.6376, 54.8686, 78.3953



40.9130, 54.8686, 28.1730



55.8285, 54.8686, 127.9753

Square

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



40.9130, 54.8686, 28.1730



39.4741, 54.8686, 101.7662



65.2786, 54.8686, 108.9203



67.2871, 54.8686, 31.2489

Rectangle

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



40.9130, 54.8686, 28.1730



35.7986, 54.8686, 60.8904



65.2786, 54.8686, 108.9203



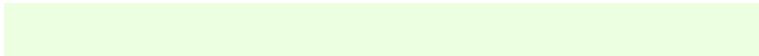
72.8503, 54.8686, 58.6093

Sweetspot

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



40.9144, 54.8710, 28.1742



83.8796, 94.7660, 84.6765



46.2270, 46.9714, 26.3694



17.7119, 20.1703, 17.6119



0.0000, 0.0000, 0.0000



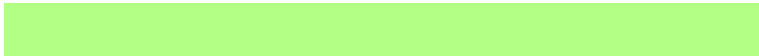
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9144, 54.8710, 28.1742



58.6084, 82.8129, 34.9412



36.0822, 52.3032, 31.4129



12.0759, 13.4226, 12.5664



16.1795, 29.2098, 4.7853



0.9920, 1.6782, 0.2717

Inverse Universe

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



37.4562, 29.0414, 64.6071



52.5010, 37.3501, 99.0499



44.4900, 32.8043, 58.7558



11.8564, 11.7748, 14.8915



12.8270, 5.7929, 37.6346



0.8041, 0.3687, 2.1084

Previews

White Background



This preview shows how the XYZ color 40.9130, 54.8686, 28.1730 looks on a white background.

Color Contrast Check

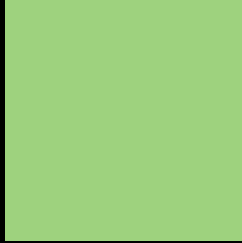
Large Text (above 18pt) WCAG AA × Fail

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 40.9130, 54.8686, 28.1730 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 40.9130, 54.8686, 28.1730

Background



This preview shows how black text looks on a background with the XYZ color 40.9130, 54.8686, 28.1730.



This preview shows how white text looks on a background with the XYZ color 40.9130, 54.8686,

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

40.9130, 54.8686, 28.1730

Protanopia

50.3458, 54.5324, 25.6416

Deuteranopia

55.2599, 54.0801, 28.9987



Tritanopia

49.7024, 54.5238, 72.1945

Trichromacy



Original Color

40.9130, 54.8686, 28.1730

Protanomaly

46.1594, 54.0512, 26.4124

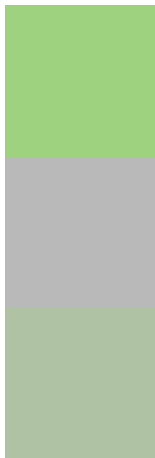
Deuteranomaly

48.9312, 53.7370, 28.5622

Tritanomaly

45.8395, 54.3463, 52.8736

Monochromacy



Original Color

40.9130, 54.8686, 28.1730

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

43.6718, 50.3779, 42.5441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9130, 54.8686, 28.1730 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(158, 210, 126)` looks like.

```
.text, #text, p{  
    color:rgb(158, 210, 126)  
}
```

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(158, 210, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 210, 126) }
```

Border

The CSS property to change the border of an element to XYZ 40.9130, 54.8686, 28.1730 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(158, 210, 126) }
```


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

```
.border{ border-color:rgb(158, 210, 126) }
```

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

Here you see how a box with a 4 pixel rgb(158, 210, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 210, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 210, 126);  
box-shadow:4px 4px 4px 4px rgb(158, 210,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9130, 54.8686, 28.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 210, 126) }
```

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

```
.background{ background-color: rgb(158,  
210, 126) }
```

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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