

Converting Colors

XYZ(41.0292, 62.4150, 30.2084)

Have a look what the booklet for
XYZ(41.0292, 62.4150, 30.2084)
contains.

XYZ(40.9689, 62.2643, 30.2810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.9689, 62.2643,
30.2810)**

Conversions

Conversions Part 1

Format	Color
Hex	81E580
RGB	129, 229, 128
RGB Percent	51%, 90%, 50%
CMY	0.4941, 0.1019, 0.4980
CMYK	0.44, 0.00, 0.44, 0.10
HSL	119°, 66%, 70%
HSV	119°, 44%, 90%
XYZ	40.9689, 62.2643, 30.2810
YIQ	187.5860, -27.1790, -52.6110

Conversions

Conversions Part 2

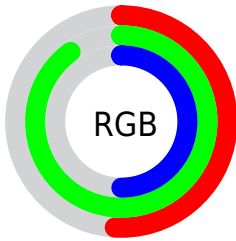
Format	Color
RYB	128, 229, 228
Decimal	8512896
CIELab	83.05, -49.26, 40.24
CIELCh	83, 63.604, 140.758
Yxy	62.2643, 0.3069, 0.4663
Android (android.graphics.Color)	4286702976 (0xFF81E580)
YUV	187.5860, -29.3759, -51.3799
Hunter-Lab	78.9077, -45.4113, 32.4828

Details

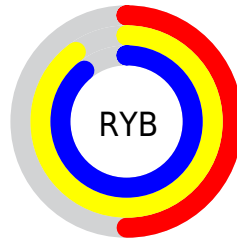
The XYZ color **40.9689, 62.2643, 30.2810** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.8599, 37.5915, 78.5492**, and the grayscale version is **47.7388, 50.2249, 54.6949**.

A 20% lighter version of the original color is **64.4532, 85.3365, 57.3305**, and **18.8817, 31.7626, 12.1568** is the 20% darker color. If you saturate the color by 10%, you get **36.5584, 60.1474, 23.0750**, and if you desaturate by 10%, it is **46.4868, 64.9164, 39.3170**.

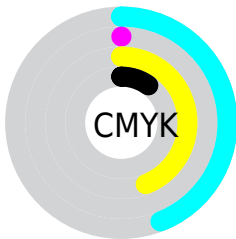
Distribution



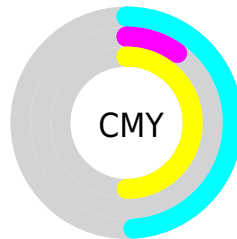
- Red (51%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9689, 62.2643, 30.2810 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 40.9689, 62.2643, 30.2810 by changing the saturation by 10% instead.


 40.9689, 62.2643,
30.2810


 40.9689, 62.2643,
30.2810


341.2554,
432.8945, 317.4601


 28.4823, 45.2463,
19.7981


 75.9117, 108.1074,
61.1725

 18.8319, 31.6515,
12.0658


 99.0986, 137.7013,
82.4183

 11.6521, 21.0954,
6.6654


 126.5831,
172.2560, 108.0887

 6.5778, 13.1938,
3.1785

158.7304,
212.1558, 138.6023

 3.2435, 7.5621,
1.1865

195.9059,
257.7852, 174.3777

 1.2838, 3.8161,
0.0000

238.4751,

 0.1710, 1.5712,

309.5285, 215.8335

0.0000

286.8031,
367.7701, 263.3881

■ 0.0000, 0.3381,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9689, 62.2643,
30.2810

■ 40.9689, 62.2643,
30.2810

■ 36.5584, 60.1474,
23.0750

■ 46.4868, 64.9164,
39.3170

■ 33.1764, 58.5222,
17.5703


■ 53.1749, 68.1283,
50.2916


■ 30.7410, 57.3514,
13.6285


■ 61.0968, 71.9323,
63.3099


■ 29.1558, 56.5888,
11.0874

■ 70.3102, 76.3560,
78.4683

 28.3039, 56.1784,
9.7497

 80.8692, 81.4254,
95.8571

 28.0489, 56.0557,
9.3415

 87.3106, 84.5211,
106.3202

Harmonies

Analogous

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



50.2925, 62.2643, 18.7690



40.9689, 62.2643, 30.2810



36.7255, 62.2643, 56.3435

Triad

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



40.9689, 62.2643, 30.2810



55.0336, 62.2643, 173.4082



87.5169, 62.2643, 44.3365

Complementary

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



40.9689, 62.2643, 30.2810



53.8599, 37.5915, 78.5492

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.



89.3120, 62.2643, 80.7022



40.9689, 62.2643, 30.2810



69.0580, 62.2643, 166.1541

Square

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



40.9689, 62.2643, 30.2810



43.9764, 62.2643, 145.0076



82.1185, 62.2643, 127.8873



77.5377, 62.2643, 24.4251

Rectangle

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



40.9689, 62.2643, 30.2810



36.8140, 62.2643, 82.9403



82.1185, 62.2643, 127.8873



89.1522, 62.2643, 54.6161

Sweetspot

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



40.9705, 62.2669, 30.2824



79.1034, 92.3436, 82.6568



63.7680, 73.3314, 31.2165



16.4130, 19.5164, 16.8395



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.



40.9705, 62.2669, 30.2824



47.0523, 76.9508, 30.0947



44.8410, 63.7977, 51.4519



14.2025, 16.0959, 15.2627



16.0422, 32.0515, 5.3411



1.1901, 2.3709, 0.3949

Inverse Universe

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



53.8599, 37.5915, 78.5492



65.4987, 41.6244, 99.1899



48.2914, 35.4007, 47.5678



14.9803, 14.6076, 18.1743



26.1575, 12.5506, 43.4270



1.9375, 0.9298, 3.2093

Previews

White Background



This preview shows how the XYZ color 40.9689, 62.2643, 30.2810 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 40.9689, 62.2643, 30.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

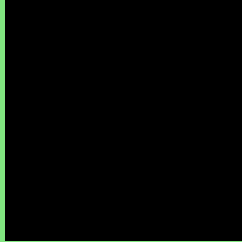
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9689, 62.2643, 30.2810

Background



This preview shows how black text looks on a background with the XYZ color 40.9689, 62.2643, 30.2810.



This preview shows how white text looks on a background with the XYZ color 40.9689, 62.2643,

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

40.9689, 62.2643, 30.2810

Protanopia

56.4524, 61.4821, 26.3446

Deuteranopia

62.7680, 61.4842, 31.8520



Tritanopia

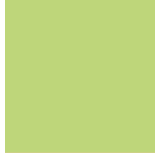
52.2418, 62.0503, 87.0654

Trichromacy



Original Color

40.9689, 62.2643, 30.2810



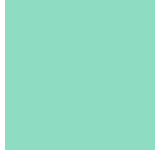
Protanomaly

48.7946, 60.4454, 27.5077



Deuteranomaly

51.9359, 60.1318, 31.0596



Tritanomaly

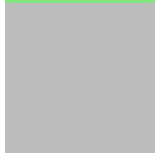
46.8621, 61.4038, 61.0120

Monochromacy



Original Color

40.9689, 62.2643, 30.2810



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.1752, 53.6805, 44.1095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9689, 62.2643, 30.2810 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, 229, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 229, 128)  
}
```

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, 229, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 229, 128) }
```

Border

The CSS property to change the border of an element to XYZ 40.9689, 62.2643, 30.2810 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, 229, 128) }
```


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

```
.border{ border-color:rgb(129, 229, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 229, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 229, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 229, 128);  
box-shadow:4px 4px 4px 4px rgb(129, 229,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9689, 62.2643, 30.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 229, 128) }
```

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

```
.background{ background-color: rgb(129,  
229, 128) }
```

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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