

Converting Colors

XYZ(29.7008, 40.0175, 9.6814)

Have a look what the booklet for
XYZ(29.7008, 40.0175, 9.6814)
contains.

XYZ(29.7882, 40.1118, 9.6624)	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(29.7882, 40.1118,
9.6624)**

Conversions

Conversions Part 1

Format	Color
Hex	95B636
RGB	149, 182, 54
RGB Percent	58%, 71%, 21%
CMY	0.4157, 0.2863, 0.7882
CMYK	0.18, 0.00, 0.70, 0.29
HSL	75°, 54%, 46%
HSV	75°, 70%, 71%
XYZ	29.7882, 40.1118, 9.6624
YIQ	157.5410, 21.4200, -46.8040

Conversions

Conversions Part 2

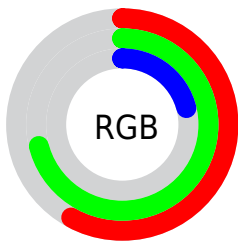
Format	Color
RYB	54, 182, 87
Decimal	9811510
CIELab	69.55, -29.12, 58.29
CIELCh	70, 65.158, 116.543
Yxy	40.1118, 0.3744, 0.5042
Android (android.graphics.Color)	4288001590 (0xFF95B636)
YUV	157.5410, -51.0457, -7.4905
Hunter-Lab	63.3339, -26.8793, 35.2883

Details

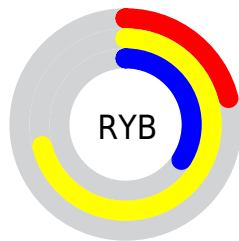
The XYZ color **29.7882, 40.1118, 9.6624** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **13.6947, 8.0431, 45.0890**, and the grayscale version is **32.5094, 34.2024, 37.2464**.

A 20% lighter version of the original color is **58.7349, 75.3536, 25.6364**, and **12.4664, 18.0802, 2.8328** is the 20% darker color. If you saturate the color by 10%, you get **28.5995, 39.5408, 7.7782**, and if you desaturate by 10%, it is **31.1732, 40.7682, 12.3921**.

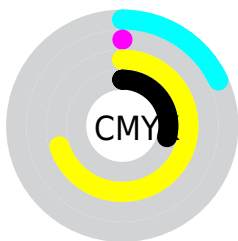
Distribution



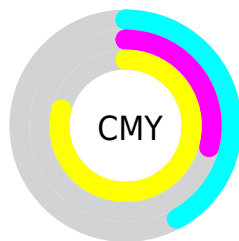
- Red (58%)
- Green (71%)
- Blue (21%)



- Red (21%)
- Yellow (71%)
- Blue (34%)



- Cyan (18%)
- Magenta (0%)
- Yellow (70%)
- Black (29%)



- Cyan (42%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7882, 40.1118, 9.6624 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 29.7882, 40.1118, 9.6624 by changing the saturation by 10% instead.

■ 29.7882, 40.1118,
9.6624

■ 29.7882, 40.1118,
9.6624

292.8435,
346.5946, 198.6418

■ 19.8252, 27.6257,
5.0730

■ 58.7160, 75.3337,
25.7564

■ 12.3755, 18.0437,
2.2307

■ 78.4115, 98.8384,
38.0980

■ 7.0740, 10.9814,
0.6920

■ 102.0818,
126.7847, 53.8609

■ 3.5552, 6.0543,
0.0000

■ 130.0923,
159.5570, 73.4634

■ 1.4537, 2.8781,
0.0000

■ 162.8084,
197.5397, 97.3243

■ 0.2940, 1.0684,
0.0000

■ 200.5954,

■ 0.0000, 0.0000,

241.1173, 125.8619

0.0000

243.8186,
290.6741, 159.4949

■ 29.7882, 40.1118,
9.6624

■ 29.7882, 40.1118,
9.6624

■ 28.5995, 39.5408,
7.7782

■ 31.1732, 40.7682,
12.3921

■ 27.5850, 39.0420,
6.6374

■ 32.7681, 41.5111,
16.0490

■ 26.7325, 38.6148,
6.0444

■ 34.5883, 42.3482,
20.7081

■ 36.6469, 43.2847,
26.4359

■ 38.9556, 44.3256,
33.2934

■ 41.5257, 45.4751,
41.3367

■ 44.3674, 46.7376,
50.6186

■ 47.4905, 48.1169,
61.1883

■ 50.9041, 49.6167,
73.0925

Harmonies

Analogous

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



39.3569, 40.1118, 7.6311



29.7882, 40.1118, 9.6624



23.6273, 40.1118, 18.9052

Triad

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



29.7882, 40.1118, 9.6624



28.0331, 40.1118, 111.9480



62.0658, 40.1118, 47.2592

Complementary

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



29.7882, 40.1118, 9.6624



13.6947, 8.0431, 45.0890

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.



57.5942, 40.1118, 83.9878



29.7882, 40.1118, 9.6624



36.9192, 40.1118, 130.6703

Square

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



29.7882, 40.1118, 9.6624



22.7524, 40.1118, 74.9814



47.8882, 40.1118, 118.6135



59.2138, 40.1118, 22.5800

Rectangle

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



29.7882, 40.1118, 9.6624



21.6540, 40.1118, 31.5423



47.8882, 40.1118, 118.6135



61.3516, 40.1118, 58.5772

Sweetspot

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



29.7891, 40.1136, 9.6632



70.1708, 80.1547, 58.9826



23.2866, 16.8683, 5.5192



15.2370, 17.5861, 12.2391



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.7891, 40.1136, 9.6632



50.8739, 71.2070, 12.8920



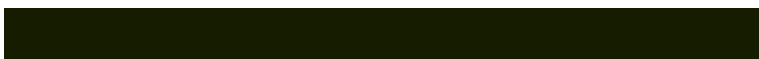
21.2330, 35.7027, 9.2628



9.5180, 10.3837, 9.6095



18.9415, 27.3010, 4.2713



0.7218, 0.9903, 0.1531

Inverse Universe

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



13.6947, 8.0431, 45.0890



20.1489, 9.6450, 81.0354



22.3418, 12.5008, 45.4937



8.7324, 8.8284, 11.3232



6.8420, 2.8384, 31.4403



0.3007, 0.1308, 1.1111

Previews

White Background



This preview shows how the XYZ color 29.7882, 40.1118, 9.6624 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 29.7882, 40.1118, 9.6624 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 29.7882, 40.1118, 9.6624

Background



This preview shows how black text looks on a background with the XYZ color 29.7882, 40.1118, 9.6624.



This preview shows how white text looks on a background with the XYZ color 29.7882, 40.1118,

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

29.7882, 40.1118, 9.6624

Protanopia

36.2075, 39.9356, 8.9320

Deuteranopia

40.4783, 39.6864, 10.0842



Tritanopia

38.0262, 39.9549, 50.5076

Trichromacy



Original Color

29.7882, 40.1118, 9.6624

Protanomaly

33.4351, 39.6340, 9.1367

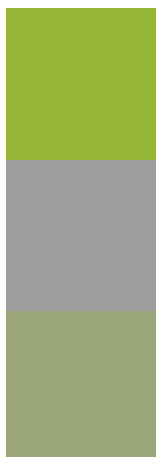
Deuteranomaly

35.7164, 39.3831, 9.8569

Tritanomaly

33.6805, 39.3188, 29.1067

Monochromacy



Original Color

29.7882, 40.1118, 9.6624

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.7265, 35.9621, 23.0912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7882, 40.1118, 9.6624 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(149, 182, 54)` looks like.

```
.text, #text, p{  
    color:rgb(149, 182, 54)  
}
```

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(149, 182, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 182, 54) }
```

Border

The CSS property to change the border of an element to XYZ 29.7882, 40.1118, 9.6624 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(149, 182, 54) }
```


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

```
.border{ border-color:rgb(149, 182, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 182, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 182, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 182, 54);  
box-shadow:4px 4px 4px 4px rgb(149, 182,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7882, 40.1118, 9.6624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 182, 54) }
```

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

```
.background{ background-color: rgb(149,  
182, 54) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor