

Converting Colors

XYZ(31.2779, 41.4975, 9.6101)

Have a look what the booklet for
XYZ(31.2779, 41.4975, 9.6101)
contains.

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Color

**XYZ(31.2779, 41.4975,
9.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB834
RGB	155, 184, 52
RGB Percent	61%, 72%, 20%
CMY	0.3922, 0.2784, 0.7961
CMYK	0.16, 0.00, 0.72, 0.28
HSL	73°, 56%, 46%
HSV	73°, 72%, 72%
XYZ	31.2779, 41.4975, 9.6101
YIQ	160.2810, 25.0880, -47.2000

Conversions

Conversions Part 2

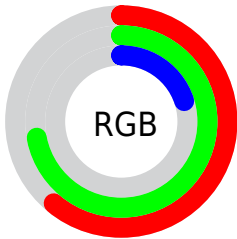
Format	Color
RYB	52, 184, 81
Decimal	10205236
CIELab	70.52, -27.75, 60.13
CIELCh	71, 66.223, 114.769
Yxy	41.4975, 0.3797, 0.5037
Android (android.graphics.Color)	4288395316 (0xFF9BB834)
YUV	160.2810, -53.3825, -4.6314
Hunter-Lab	64.4186, -26.0633, 36.2480

Details

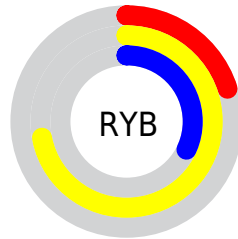
The XYZ color **31.2779, 41.4975, 9.6101** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **13.2746, 7.6670, 46.1302**, and the grayscale version is **33.7752, 35.5341, 38.6966**.

A 20% lighter version of the original color is **60.9653, 77.3788, 25.6323**, and **13.3718, 18.9419, 2.9514** is the 20% darker color. If you saturate the color by 10%, you get **30.1789, 40.9712, 7.8013**, and if you desaturate by 10%, it is **32.5663, 42.1055, 12.2724**.

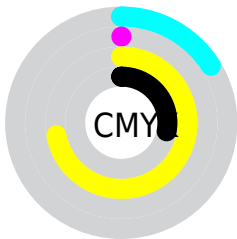
Distribution



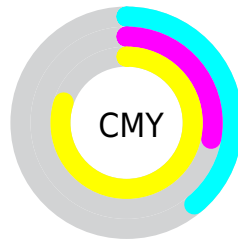
- Red (61%)
- Green (72%)
- Blue (20%)



- Red (20%)
- Yellow (72%)
- Blue (32%)



- Cyan (16%)
- Magenta (0%)
- Yellow (72%)
- Black (28%)





- Cyan (39%)
- Magenta (28%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2779, 41.4975, 9.6101 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 31.2779, 41.4975, 9.6101 by changing the saturation by 10% instead.


 31.2779, 41.4975,
9.6101


 31.2779, 41.4975,
9.6101


299.6206,
352.3956, 198.2488

 20.9634, 28.7080,
5.0390


 61.0502, 77.4385,
25.6558

 13.2096, 18.8601,
2.2110


 81.2387, 101.3589,
37.9674


 7.6510, 11.5692,
0.6807


 105.4493,
129.7583, 53.6963

 3.9224, 6.4511,
0.0000

 134.0473,
163.0213, 73.2610

 1.6583, 3.1212,
0.0000

 167.3981,
201.5321, 97.0801

 0.4300, 1.1954,
0.0000

 205.8670,

 0.0000, 0.0579,

245.6751, 125.5721

0.0000

249.8194,
295.8348, 159.1555

■ 0.0000, 0.0000,
0.0000

■ 31.2779, 41.4975,
9.6101

■ 31.2779, 41.4975,
9.6101

■ 30.1789, 40.9712,
7.8013

■ 32.5663, 42.1055,
12.2724

■ 29.2462, 40.5130,
6.7379

■ 34.0583, 42.7965,
15.8739

■ 28.5685, 40.1737,
6.2486

■ 35.7698, 43.5783,
20.4930

■ 37.7142, 44.4564,
26.1990

■ 39.9037, 45.4356,
33.0552

■ 42.3496, 46.5206,
41.1199

■ 45.0626, 47.7156,
50.4477

■ 48.0526, 49.0245,
61.0898

■ 51.3289, 50.4512,
73.0943

Harmonies

Analogous

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



41.3888, 41.4975, 7.8472



31.2779, 41.4975, 9.6101



24.6486, 41.4975, 18.6017

Triad

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



31.2779, 41.4975, 9.6101



28.5207, 41.4975, 114.3133



64.2836, 41.4975, 50.8946

Complementary

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



31.2779, 41.4975, 9.6101



13.2746, 7.6670, 46.1302

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.



59.2144, 41.4975, 89.5445



31.2779, 41.4975, 9.6101



37.5575, 41.4975, 135.5011

Square

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



31.2779, 41.4975, 9.6101



23.2748, 41.4975, 75.3741



48.9161, 41.4975, 124.8045



61.7615, 41.4975, 24.3711

Rectangle

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



31.2779, 41.4975, 9.6101



22.4441, 41.4975, 31.1475



48.9161, 41.4975, 124.8045



63.3869, 41.4975, 62.9071

Sweetspot

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



31.2789, 41.4994, 9.6110



72.0685, 82.2425, 59.0706



23.3013, 16.2652, 5.1607



15.2990, 17.6238, 11.9783



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.



31.2789, 41.4994, 9.6110



53.7061, 73.7794, 12.8904



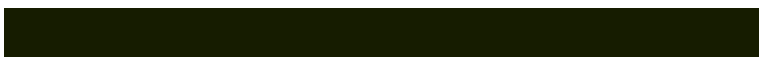
21.9201, 36.6748, 9.1730



9.5519, 10.4011, 9.6111



19.7502, 27.7179, 4.3091



0.7448, 1.0022, 0.1542

Inverse Universe

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



13.2746, 7.6670, 46.1302



19.4555, 9.0484, 82.9257



21.8422, 12.0838, 46.5311



8.7007, 8.8121, 11.3218



6.6283, 2.7282, 31.4303



0.2874, 0.1239, 1.1105

Previews

White Background



This preview shows how the XYZ color 31.2779, 41.4975, 9.6101 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 31.2779, 41.4975, 9.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

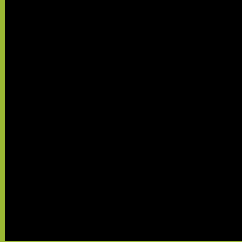
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2779, 41.4975, 9.6101

Background



This preview shows how black text looks on a background with the XYZ color 31.2779, 41.4975, 9.6101.



This preview shows how white text looks on a background with the XYZ color 31.2779, 41.4975,

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

31.2779, 41.4975, 9.6101

Protanopia

37.2992, 41.0643, 8.8660

Deuteranopia

41.9371, 40.9677, 9.9722



Tritanopia

39.8717, 41.4428, 51.7967

Trichromacy



Original Color

31.2779, 41.4975, 9.6101

Protanomaly

34.6915, 40.8647, 9.0768

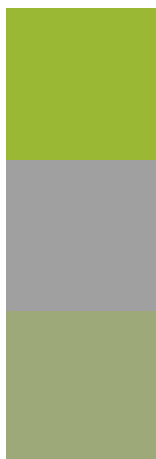
Deuteranomaly

37.2937, 40.7587, 9.7725

Tritanomaly

35.3505, 40.7493, 29.6691

Monochromacy



Original Color

31.2779, 41.4975, 9.6101

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7397, 37.0255, 23.5629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2779, 41.4975, 9.6101 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(155, 184, 52)` looks like.

```
.text, #text, p{  
    color:rgb(155, 184, 52)  
}
```

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(155, 184, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 184, 52) }
```

Border

The CSS property to change the border of an element to XYZ 31.2779, 41.4975, 9.6101 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(155, 184, 52) }
```


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

```
.border{ border-color:rgb(155, 184, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 184, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 184, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 184, 52);  
box-shadow:4px 4px 4px 4px rgb(155, 184,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2779, 41.4975, 9.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 184, 52) }
```

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

```
.background{ background-color: rgb(155,  
184, 52) }
```

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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