

Converting Colors

XYZ(31.3155, 45.5662, 7.1447)

Have a look what the booklet for
XYZ(31.3155, 45.5662, 7.1447)
contains.

XYZ(31.2415, 45.4091, 7.1182)	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(31.2415, 45.4091,
7.1182)**

Conversions

Conversions Part 1

Format	Color
Hex	90C400
RGB	144, 196, 0
RGB Percent	56%, 77%, 0%
CMY	0.4353, 0.2314, 0.9999
CMYK	0.27, 0.00, 1.00, 0.23
HSL	76°, 100%, 38%
HSV	76°, 100%, 77%
XYZ	31.2415, 45.4091, 7.1182
YIQ	158.1080, 31.9240, -71.9800

Conversions

Conversions Part 2

Format	Color
RYB	0, 196, 52
Decimal	9487360
CIELab	73.16, -39.25, 73.16
CIELCh	73, 83.019, 118.213
Yxy	45.4091, 0.3729, 0.5421
Android (android.graphics.Color)	4287677440 (0xFF90C400)
YUV	158.1080, -77.9472, -12.3727
Hunter-Lab	67.3863, -35.1701, 40.9074

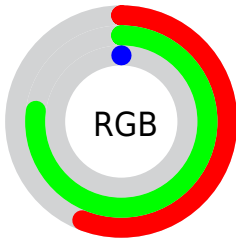
Details

The XYZ color **31.2415, 45.4091, 7.1182** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **11.3820, 4.7169, 52.5377**, and the grayscale version is **32.8833, 34.5958, 37.6748**.

A 20% lighter version of the original color is **60.9676, 83.4012, 20.6693**, and **13.6035, 21.3722, 3.4083** is the 20% darker color. If you saturate the color by 10%, you get **31.2415, 45.4106, 7.1185**, and if you desaturate by 10%, it is **32.2949, 45.9394, 7.8094**.

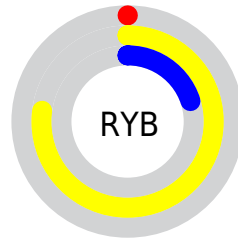
Distribution



Red (56%)

Green (77%)

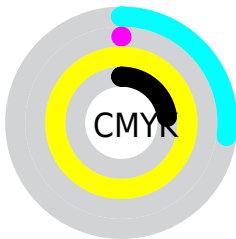
Blue (0%)



Red (0%)

Yellow (77%)

Blue (20%)

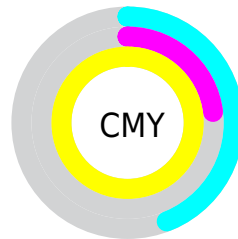


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (44%)

Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2415, 45.4091, 7.1182 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 31.2415, 45.4091, 7.1182 by changing the saturation by 10% instead.

■ 31.2415, 45.4091,
7.1182

■ 31.2415, 45.4091,
7.1182

299.4564,
368.4279, 178.3103

■ 20.9355, 31.7798,
3.4566

■ 60.9933, 83.3340,
20.7275

■ 13.1891, 21.1933,
1.3322

■ 81.1699, 108.3983,
31.5123

■ 7.6368, 13.2654,
0.0880

■ 105.3675,
138.0431, 45.5085

■ 3.9133, 7.6116,
0.0000

■ 133.9513,
172.6528, 63.1347

■ 1.6532, 3.8474,
0.0000

■ 167.2867,
212.6117, 84.8094

■ 0.4267, 1.5886,
0.0000

■ 205.7392,

■ 0.0000, 0.3499,

258.3043, 110.9513

0.0000

249.6739,
310.1149, 141.9787

■ 0.0000, 0.0000,
0.0000

■ 31.2415, 45.4091,
7.1182

■ 31.2415, 45.4091,
7.1182

■ 31.2415, 45.4106,
7.1185

■ 32.2949, 45.9394,
7.8094

■ 33.5138, 46.5393,
9.1554

■ 34.9436, 47.2284,
11.3878

■ 36.6075, 48.0163,
14.6261

■ 38.5252, 48.9107,
18.9712

■ 40.7140, 49.9187,
24.5119

■ 43.1896, 51.0466,
31.3279

■ 45.9663, 52.3002,
39.4920

■ 49.0573, 53.6849,
49.0716

Harmonies

Analogous

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



44.0382, 45.4091, 4.8193



31.2415, 45.4091, 7.1182



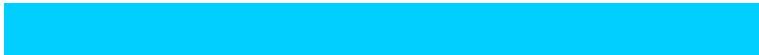
23.4833, 45.4091, 18.1121

Triad

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



31.2415, 45.4091, 7.1182



30.0392, 45.4091, 153.5718



77.5873, 45.4091, 51.9833

Complementary

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



31.2415, 45.4091, 7.1182



11.3820, 4.7169, 52.5377

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.



71.5677, 45.4091, 104.7814



31.2415, 45.4091, 7.1182



42.2936, 45.4091, 180.5031

Square

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



31.2415, 45.4091, 7.1182



22.9068, 45.4091, 97.8033



57.7792, 45.4091, 158.9516



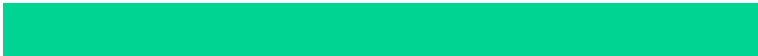
72.7967, 45.4091, 20.4190

Rectangle

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



31.2415, 45.4091, 7.1182



21.1614, 45.4091, 34.8181



57.7792, 45.4091, 158.9516



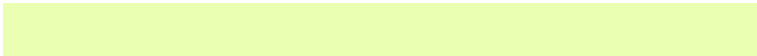
76.7385, 45.4091, 67.6779

Sweetspot

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



31.2425, 45.4111, 7.1192



78.0083, 92.3657, 56.1001



23.8652, 13.9344, 1.4324



16.2743, 19.5779, 10.8242



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.



31.2425, 45.4111, 7.1192



56.3355, 82.1271, 12.8829



21.0085, 40.1353, 6.6402



10.6442, 11.6196, 10.7437



20.1578, 29.2206, 4.5777



0.9332, 1.2946, 0.2007

Inverse Universe

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



11.3820, 4.7169, 52.5377



20.4106, 8.4369, 95.1605



21.9987, 10.1900, 53.0346



9.7734, 9.8744, 12.6757



7.3830, 3.0665, 33.7594



0.3867, 0.1674, 1.4618

Previews

White Background



This preview shows how the XYZ color 31.2415, 45.4091, 7.1182 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 31.2415, 45.4091, 7.1182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

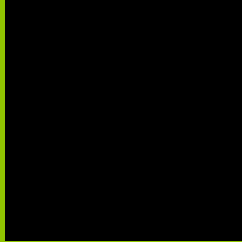
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2415, 45.4091, 7.1182

Background



This preview shows how black text looks on a background with the XYZ color 31.2415, 45.4091, 7.1182.



This preview shows how white text looks on a background with the XYZ color 31.2415, 45.4091,

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

31.2415, 45.4091, 7.1182

Protanopia

40.4772, 44.7968, 6.5133

Deuteranopia

46.0572, 45.0456, 7.9363



Tritanopia

41.7063, 45.1685, 59.3436

Trichromacy



Original Color

31.2415, 45.4091, 7.1182

Protanomaly

36.4050, 44.5217, 6.6748

Deuteranomaly

39.0397, 44.0378, 7.2531

Tritanomaly

34.9896, 43.9899, 26.0488

Monochromacy



Original Color

31.2415, 45.4091, 7.1182

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.2384, 37.2169, 17.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2415, 45.4091, 7.1182 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(144, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 196, 0)  
}
```

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(144, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2415, 45.4091, 7.1182 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(144, 196, 0) }
```


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

```
.border{ border-color:rgb(144, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 196,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2415, 45.4091, 7.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 196, 0) }
```

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

```
.background{ background-color: rgb(144,  
196, 0) }
```

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