

Converting Colors

XYZ(15.7907, 21.9941, 9.2304)

Have a look what the booklet for
XYZ(15.7907, 21.9941, 9.2304)
contains.

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Color

**XYZ(15.7391, 21.9077,
9.1934)**

Conversions

Conversions Part 1

Format	Color
Hex	648C46
RGB	100, 140, 70
RGB Percent	39%, 55%, 27%
CMY	0.6078, 0.4510, 0.7255
CMYK	0.29, 0.00, 0.50, 0.45
HSL	94°, 33%, 41%
HSV	94°, 50%, 55%
XYZ	15.7391, 21.9077, 9.1934
YIQ	120.0600, -1.3700, -30.2500

Conversions

Conversions Part 2

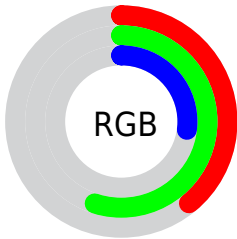
Format	Color
RYB	70, 140, 110
Decimal	6589510
CIELab	53.93, -26.85, 32.83
CIELCh	54, 42.408, 129.281
Yxy	21.9077, 0.3360, 0.4677
Android (android.graphics.Color)	4284779590 (0xFF648C46)
YUV	120.0600, -24.6796, -17.5926
Hunter-Lab	46.8057, -21.8866, 21.1184

Details

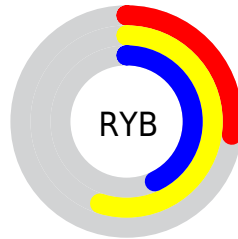
The XYZ color **15.7391, 21.9077, 9.1934** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.3552, 9.5894, 25.9592**, and the grayscale version is **17.9491, 18.8838, 20.5645**.

A 20% lighter version of the original color is **35.8188, 46.7119, 24.8978**, and **5.1262, 8.0523, 2.0947** is the 20% darker color. If you saturate the color by 10%, you get **14.5060, 21.3179, 7.0918**, and if you desaturate by 10%, it is **17.1633, 22.5854, 11.8428**.

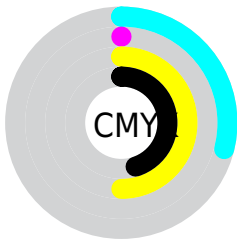
Distribution



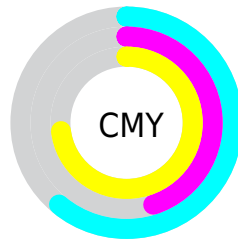
- Red (39%)
- Green (55%)
- Blue (27%)



- Red (27%)
- Yellow (55%)
- Blue (43%)



- Cyan (29%)
- Magenta (0%)
- Yellow (50%)
- Black (45%)



- Cyan (61%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7391, 21.9077, 9.1934 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 15.7391, 21.9077, 9.1934 by changing the saturation by 10% instead.

■ 15.7391, 21.9077,
9.1934

■ 15.7391, 21.9077,
9.1934

221.0980,
262.0639, 195.0850

■ 9.4294, 13.7891,
4.7690

■ 35.7058, 46.5934,
24.8505

■ 5.0816, 7.9741,
2.0560

■ 50.0935, 63.9293,
36.9204

■ 2.3305, 4.0784,
0.5894

■ 67.9046, 85.1064,
52.3758

■ 0.8102, 1.7175,
0.0000

■ 89.5044, 110.5091,
71.6353

■ 0.0000, 0.4350,
0.0000

■ 115.2583,
140.5218, 95.1174

■ 0.0000, 0.0000,
0.0000

145.5316,

175.5289, 123.2407

180.6897,
215.9148, 156.4237

■ 15.7391, 21.9077,
9.1934

■ 15.7391, 21.9077,
9.1934

■ 14.5060, 21.3179,
7.0918

■ 17.1633, 22.5854,
11.8428

■ 13.4525, 20.8090,
5.4981

■ 18.7859, 23.3521,
15.0732

■ 12.5685, 20.3774,
4.3695


■ 20.6158, 24.2123,
18.9169


■ 11.8415, 20.0177,
3.6552


■ 22.6608, 25.1693,
23.4035


■ 11.2418, 19.7177,
3.2134

■ 24.9282, 26.2264,
28.5606

 11.2418, 19.7177,
3.2134

 27.4251, 27.3866,
34.4142

 30.1580, 28.6528,
40.9888

 33.1334, 30.0278,
48.3080

 36.3575, 31.5142,
56.3939

Harmonies

Analogous

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



19.4371, 21.9077, 6.6378



15.7391, 21.9077, 9.1934



13.6364, 21.9077, 16.0107

Triad

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



15.7391, 21.9077, 9.1934



17.8654, 21.9077, 55.9915



30.7567, 21.9077, 20.0203

Complementary

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



15.7391, 21.9077, 9.1934



13.3552, 9.5894, 25.9592

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.



30.1724, 21.9077, 33.9132



15.7391, 21.9077, 9.1934



22.2724, 21.9077, 58.3164

Square

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



15.7391, 21.9077, 9.1934



14.7335, 21.9077, 43.6023



26.8975, 21.9077, 49.1236



28.3935, 21.9077, 11.2030

Rectangle

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



15.7391, 21.9077, 9.1934



13.2127, 21.9077, 23.5391



26.8975, 21.9077, 49.1236



30.9052, 21.9077, 24.1712

Sweetspot

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



15.7396, 21.9087, 9.1939



37.9855, 43.4539, 36.9103



17.4616, 17.0986, 8.1747



8.6001, 9.9414, 8.1718



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.7396, 21.9087, 9.1939



25.3214, 37.4614, 12.0992



13.1632, 20.5627, 9.8725



5.1618, 5.7062, 5.3817



10.0102, 17.5304, 2.8561



0.0827, 0.1248, 0.0197

Inverse Universe

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



13.3552, 9.5894, 25.9592



20.6013, 13.1368, 45.1928



17.4029, 11.7150, 24.3901



5.0302, 5.0240, 6.3105



7.1688, 3.2098, 22.2874



0.0644, 0.0300, 0.1488

Previews

White Background



This preview shows how the XYZ color 15.7391, 21.9077, 9.1934 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7391, 21.9077, 9.1934 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 × Fail

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

XYZ 15.7391, 21.9077, 9.1934

Background



This preview shows how black text looks on a background with the XYZ color 15.7391, 21.9077, 9.1934.



This preview shows how white text looks on a background with the XYZ color 15.7391, 21.9077,

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

15.7391, 21.9077, 9.1934

Protanopia

19.9890, 21.8446, 8.3172

Deuteranopia

22.0293, 21.7282, 9.5115



Tritanopia

19.7647, 21.8652, 29.1653

Trichromacy



Original Color

15.7391, 21.9077, 9.1934

Protanomaly

18.1530, 21.6923, 8.5405

Deuteranomaly

19.2062, 21.4158, 9.4247

Tritanomaly

17.8798, 21.7147, 19.7720

Monochromacy



Original Color

15.7391, 21.9077, 9.1934

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.7977, 19.6488, 15.4776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7391, 21.9077, 9.1934 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(100, 140, 70)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 70)  
}
```

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(100, 140, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.7391, 21.9077, 9.1934 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(100, 140, 70) }
```


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

```
.border{ border-color:rgb(100, 140, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 140, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 70);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7391, 21.9077, 9.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 70) }
```

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

```
.background{ background-color: rgb(100,  
140, 70) }
```

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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