

Converting Colors

XYZ(12.1944, 14.8770, 2.7190)

Have a look what the booklet for
XYZ(12.1944, 14.8770, 2.7190)
contains.

XYZ(12.1944, 14.8770, 2.7190)	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(12.1944, 14.8770,
2.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7010
RGB	109, 112, 16
RGB Percent	43%, 44%, 6%
CMY	0.5725, 0.5608, 0.9372
CMYK	0.03, 0.00, 0.86, 0.56
HSL	62°, 75%, 25%
HSV	62°, 86%, 44%
XYZ	12.1944, 14.8770, 2.7190
YIQ	100.1590, 29.0280, -30.4920

Conversions

Conversions Part 2

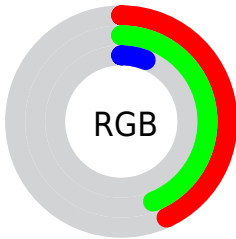
Format	Color
RYB	16, 112, 19
Decimal	7172112
CIELab	45.47, -12.76, 47.52
CIELCh	45, 49.199, 105.028
Yxy	14.8770, 0.4093, 0.4994
Android (android.graphics.Color)	4285362192 (0xFF6D7010)
YUV	100.1590, -41.4904, 7.7536
Hunter-Lab	38.5707, -11.0647, 22.8199

Details

The XYZ color **12.1944, 14.8770, 2.7190** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.3789, 1.6791, 15.4762**, and the grayscale version is **12.2517, 12.8897, 14.0369**.

A 20% lighter version of the original color is **29.4852, 34.7796, 10.9535**, and **3.5783, 4.5663, 0.6928** is the 20% darker color. If you saturate the color by 10%, you get **12.0845, 14.8286, 2.3632**, and if you desaturate by 10%, it is **12.3446, 14.9426, 3.2829**.

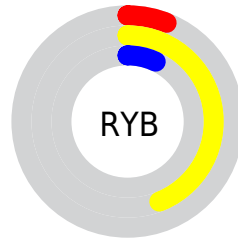
Distribution



Red (43%)

Green (44%)

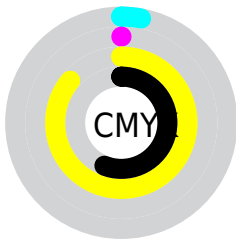
Blue (6%)



Red (6%)

Yellow (44%)

Blue (7%)

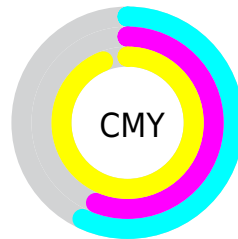


Cyan (3%)

Magenta (0%)

Yellow (86%)

Black (56%)



Cyan (57%)


Magenta (56%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1944, 14.8770, 2.7190 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 12.1944, 14.8770, 2.7190 by changing the saturation by 10% instead.

 12.1944, 14.8770,
2.7190


 12.1944, 14.8770,
2.7190


199.4318,
222.6205, 132.6971


 6.9494, 8.7331,
0.9530


 29.4625, 34.6373,
10.9268


 3.4765, 4.5675,
0.0000

 42.2162, 49.0224,
18.2057


 1.4105, 1.9958,
0.0000

 58.2035, 66.9234,
28.1593

 0.2637, 0.6050,
0.0000


 77.7898, 88.7247,
41.2062


 0.0000, 0.0000,
0.0000


 101.3405,
114.8107, 57.7649


 129.2208,


145.5657, 78.2539


 161.7961,
181.3742, 103.0918


 12.1944, 14.8770,
2.7190


 12.1944, 14.8770,
2.7190


 12.0845, 14.8286,
2.3632


 12.3446, 14.9426,
3.2829

 12.0398, 14.8086,
2.2238

 12.5442, 15.0275,
4.1076

 12.7985, 15.1342,
5.2197

 13.1121, 15.2647,
6.6427

 13.4888, 15.4205,
8.3973

■ 13.9323, 15.6029,
10.5027

■ 14.4459, 15.8135,
12.9764

■ 15.0327, 16.0534,
15.8349

■ 15.6957, 16.3237,
19.0936

Harmonies

Analogous

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



16.2745, 14.8770, 2.7173



12.1944, 14.8770, 2.7190



9.2673, 14.8770, 4.9131

Triad

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



12.1944, 14.8770, 2.7190



9.2714, 14.8770, 37.9747



23.1970, 14.8770, 22.7542

Complementary

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



12.1944, 14.8770, 2.7190



3.3789, 1.6791, 15.4762

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.



20.4772, 14.8770, 37.9476



12.1944, 14.8770, 2.7190



12.2010, 14.8770, 49.2291

Square

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



12.1944, 14.8770, 2.7190



7.8150, 14.8770, 22.7805



16.2826, 14.8770, 49.2173



23.1943, 14.8770, 11.0248

Rectangle

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



12.1944, 14.8770, 2.7190



8.1338, 14.8770, 8.4187



16.2826, 14.8770, 49.2173



22.5507, 14.8770, 27.7120

Sweetspot

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



12.1947, 14.8777, 2.7193



24.3932, 27.3757, 18.0630



6.9860, 3.9023, 0.8754



5.8089, 6.5557, 4.0941



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1947, 14.8777, 2.7193



21.1299, 26.0033, 3.9055



7.9001, 12.6637, 2.5183



3.6320, 3.9112, 3.6368



13.9142, 17.1168, 2.5705



69.1712, 85.1931, 12.7982

Inverse Universe

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



3.3789, 1.6791, 15.4762



5.1948, 2.0845, 27.0583



5.3303, 2.6851, 15.5675



3.2264, 3.3050, 4.2221



3.4280, 1.3766, 17.8066



16.9394, 6.7870, 88.6963

Previews

White Background



This preview shows how the XYZ color 12.1944, 14.8770, 2.7190 looks on a white background.

Color Contrast Check

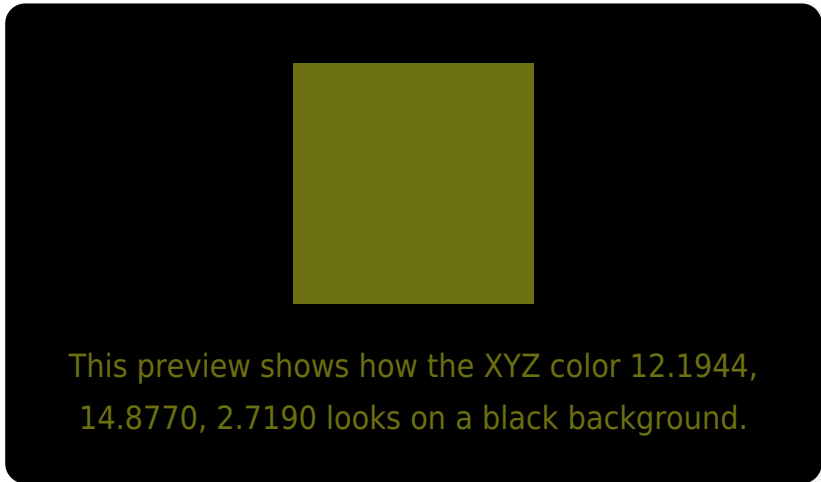
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

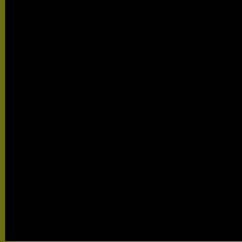
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1944, 14.8770, 2.7190

Background



This preview shows how black text looks on a background with the XYZ color 12.1944, 14.8770, 2.7190.



This preview shows how white text looks on a background with the XYZ color 12.1944, 14.8770,

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

12.1944, 14.8770, 2.7190

Protanopia

13.3339, 14.8246, 2.6106

Deuteranopia

15.0594, 14.7988, 2.8734



Tritanopia

15.2111, 14.8524, 17.3943

Trichromacy



Original Color

12.1944, 14.8770, 2.7190

Protanomaly

12.8910, 14.7537, 2.6203

Deuteranomaly

13.8845, 14.7942, 2.7856

Tritanomaly

13.5367, 14.6286, 9.1313

Monochromacy



Original Color

12.1944, 14.8770, 2.7190

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.6180, 13.2139, 7.5684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1944, 14.8770, 2.7190 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(109, 112, 16)` looks like.

```
.text, #text, p{  
    color:rgb(109, 112, 16)  
}
```

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(109, 112, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 112, 16) }
```

Border

The CSS property to change the border of an element to XYZ 12.1944, 14.8770, 2.7190 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(109, 112, 16) }
```


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

```
.border{ border-color:rgb(109, 112, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 112, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 112, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 112, 16);  
box-shadow:4px 4px 4px 4px rgb(109, 112,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1944, 14.8770, 2.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 112, 16) }
```

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

```
.background{ background-color: rgb(109,  
112, 16) }
```

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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