

Converting Colors

XYZ(12.1341, 14.3106, 2.1233)

Have a look what the booklet for
XYZ(12.1341, 14.3106, 2.1233)
contains.

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Color

**XYZ(12.1507, 14.3820,
2.1356)**

Conversions

Conversions Part 1

Format	Color
Hex	706D00
RGB	112, 109, 0
RGB Percent	44%, 43%, 0%
CMY	0.5608, 0.5725, 1.0000
CMYK	0.00, 0.03, 1.00, 0.56
HSL	58°, 100%, 22%
HSV	58°, 100%, 44%
XYZ	12.1507, 14.3820, 2.1356
YIQ	97.4710, 36.7770, -33.2630

Conversions

Conversions Part 2

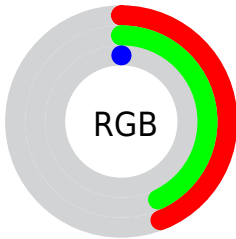
Format	Color
RYB	3, 112, 0
Decimal	7367936
CIELab	44.78, -10.09, 50.85
CIELCh	45, 51.840, 101.220
Yxy	14.3820, 0.4238, 0.5017
Android (android.graphics.Color)	4285558016 (0xFF706D00)
YUV	97.4710, -48.0532, 12.7419
Hunter-Lab	37.9236, -9.1750, 23.2077

Details

The XYZ color **12.1507, 14.3820, 2.1356** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9573, 1.2351, 15.4116**, and the grayscale version is **11.5875, 12.1910, 13.2760**.

A 20% lighter version of the original color is **29.3495, 33.6940, 9.3716**, and **3.5861, 4.4059, 0.6614** is the 20% darker color. If you saturate the color by 10%, you get **12.1510, 14.3826, 2.1357**, and if you desaturate by 10%, it is **12.2446, 14.4713, 2.4708**.

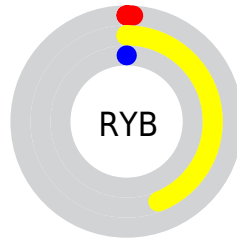
Distribution



Red (44%)

Green (43%)

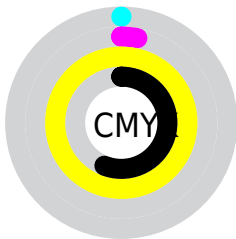
Blue (0%)



Red (1%)

Yellow (44%)

Blue (0%)

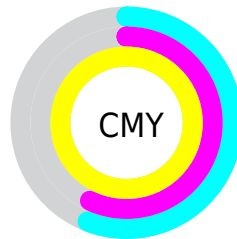


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (56%)



Cyan (56%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1507, 14.3820, 2.1356 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 12.1507, 14.3820, 2.1356 by changing the saturation by 10% instead.

■ 12.1507, 14.3820,
2.1356

■ 12.1507, 14.3820,
2.1356

199.1500,
219.5945, 124.4481

■ 6.9193, 8.3868,
0.6368

■ 29.3838, 33.7653,
9.4083

■ 3.4576, 4.3435,
0.0000

■ 42.1162, 47.9222,
16.0550

■ 1.4001, 1.8675,
0.0000

■ 58.0796, 65.5685,
25.2667

■ 0.2563, 0.5287,
0.0000


■ 77.6394, 87.0886,
37.4618


■ 0.0000, 0.0000,
0.0000


■ 101.1611,
112.8668, 53.0590


■ 129.0098,


143.2876, 72.4767


 161.5510,
178.7354, 96.1336


 12.1507, 14.3820,
2.1356


 12.1507, 14.3820,
2.1356


 12.1510, 14.3826,
2.1357

 12.2446, 14.4713,
2.4708

 12.3639, 14.5705,
2.9405

 12.5305, 14.6887,
3.6585

 12.7497, 14.8281,
4.6532

 13.0261, 14.9906,
5.9491

■ 13.3641, 15.1779,
7.5679

■ 13.7672, 15.3915,
9.5295

■ 14.2390, 15.6326,
11.8521

■ 14.7826, 15.9027,
14.5525

Harmonies

Analogous

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



16.4523, 14.3820, 2.3527



12.1507, 14.3820, 2.1356



8.9891, 14.3820, 3.8761

Triad

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



12.1507, 14.3820, 2.1356



8.4290, 14.3820, 36.5095



22.8822, 14.3820, 24.3970

Complementary

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



12.1507, 14.3820, 2.1356



2.9573, 1.2351, 15.4116

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.



19.7448, 14.3820, 40.4540



12.1507, 14.3820, 2.1356



11.2199, 14.3820, 49.5791

Square

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



12.1507, 14.3820, 2.1356



7.1547, 14.3820, 20.6309



15.3102, 14.3820, 51.3092



23.2749, 14.3820, 11.5588

Rectangle

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



12.1507, 14.3820, 2.1356



7.7192, 14.3820, 6.9235



15.3102, 14.3820, 51.3092



22.0874, 14.3820, 29.7261

Sweetspot

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



12.1510, 14.3827, 2.1359



24.1255, 27.0080, 16.4457



6.7026, 3.4530, 0.4206



5.7381, 6.4581, 3.6683



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.



12.1510, 14.3827, 2.1359



21.3319, 25.2377, 3.7471



7.6417, 12.5407, 2.0180



3.6346, 3.9017, 3.6349



14.0448, 16.6220, 2.4681



69.8575, 82.5903, 12.2596

Inverse Universe

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



2.9573, 1.2351, 15.4116



5.1801, 2.1396, 27.0697



4.3548, 1.9072, 15.4677



3.2241, 3.3135, 4.2238



3.4159, 1.4220, 17.8161



16.9144, 6.8807, 88.7157

Previews

White Background



This preview shows how the XYZ color 12.1507, 14.3820, 2.1356 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

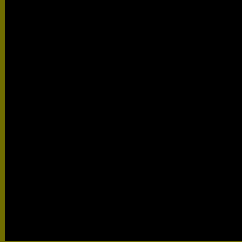
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1507, 14.3820, 2.1356

Background



This preview shows how black text looks on a background with the XYZ color 12.1507, 14.3820, 2.1356.



This preview shows how white text looks on a background with the XYZ color 12.1507, 14.3820,

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

12.1507, 14.3820, 2.1356

Protanopia

12.8998, 14.3011, 2.0805

Deuteranopia

14.5787, 14.4131, 2.5038



Tritanopia

15.0217, 14.3334, 16.4429

Trichromacy



Original Color

12.1507, 14.3820, 2.1356

Protanomaly

12.5938, 14.2973, 2.0959

Deuteranomaly

13.6093, 14.3582, 2.3413

Tritanomaly

13.2270, 14.0433, 7.6437

Monochromacy



Original Color

12.1507, 14.3820, 2.1356

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0027, 12.4799, 6.3864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1507, 14.3820, 2.1356 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(112, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 109, 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(112, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 109, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1507, 14.3820, 2.1356 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(112, 109, 0) }
```


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

```
.border{ border-color:rgb(112, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 109,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1507, 14.3820, 2.1356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 109, 0) }
```

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

```
.background{ background-color: rgb(112,  
109, 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](#).

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