

Converting Colors

XYZ(12.0473, 13.3528, 1.4613)

Have a look what the booklet for
XYZ(12.0473, 13.3528, 1.4613)
contains.

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Color

**XYZ(12.1864, 13.4824,
1.9601)**

Conversions

Conversions Part 1

Format	Color
Hex	756700
RGB	117, 103, 0
RGB Percent	46%, 40%, 0%
CMY	0.5412, 0.5961, 1.0000
CMYK	0.00, 0.12, 1.00, 0.54
HSL	53°, 100%, 23%
HSV	53°, 100%, 46%
XYZ	12.1864, 13.4824, 1.9601
YIQ	95.4440, 41.4070, -29.0650

Conversions

Conversions Part 2

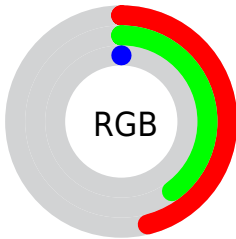
Format	Color
R_{YB}	16, 117, 0
Decimal	7694080
CIE Lab	43.48, -4.26, 50.14
CIE LCh	43, 50.318, 94.857
Yxy	13.4824, 0.4411, 0.4880
Android (android.graphics.Color)	4285884160 (0xFF756700)
YUV	95.4440, -47.0539, 18.9046
Hunter-Lab	36.7184, -5.0151, 22.5379

Details

The XYZ color **12.1864, 13.4824, 1.9601** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.3680, 1.5986, 16.9606**, and the grayscale version is **11.0872, 11.6646, 12.7027**.

A 20% lighter version of the original color is **29.6048, 32.3217, 8.9533**, and **3.5775, 4.0162, 0.5867** is the 20% darker color. If you saturate the color by 10%, you get **12.1866, 13.4829, 1.9602**, and if you desaturate by 10%, it is **12.3917, 13.7897, 2.3471**.

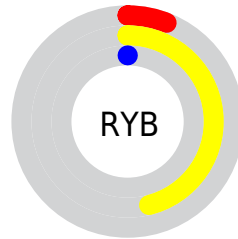
Distribution



Red (46%)

Green (40%)

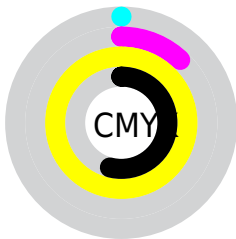
Blue (0%)



Red (6%)

Yellow (46%)

Blue (0%)

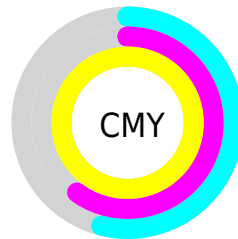


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1864, 13.4824, 1.9601 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 12.1864, 13.4824, 1.9601 by changing the saturation by 10% instead.


 12.1864, 13.4824,
1.9601


 12.1864, 13.4824,
1.9601


 199.3802,
213.9866, 121.7541


 6.9439, 7.7616,
0.5306


 29.4481, 32.1678,
8.9314


 3.4730, 3.9428,
0.0000

 42.1979, 45.9011,
15.3721


 1.4086, 1.6416,
0.0000

 58.1809, 63.0740,
24.3408

 0.2623, 0.3854,
0.0000


 77.7623, 84.0709,
36.2561


 0.0000, 0.0000,
0.0000


 101.3076,
109.2762, 51.5366


 129.1822,


139.0744, 70.6007


 161.7512,
173.8497, 93.8670


 12.1864, 13.4824,
1.9601


 12.1864, 13.4824,
1.9601


 12.1866, 13.4829,
1.9602

 12.3917, 13.7897,
2.3471

 12.6286, 14.1129,
2.8906

 12.9199, 14.4615,
3.7088

 13.2716, 14.8382,
4.8335

 13.6889, 15.2448,
6.2919

■ 14.1765, 15.6834,
8.1086

■ 14.7385, 16.1557,
10.3055

■ 15.3789, 16.6631,
12.9031

■ 16.1012, 17.2071,
15.9200

Harmonies

Analogous

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



16.2951, 13.4824, 2.5210



12.1864, 13.4824, 1.9601



8.9681, 13.4824, 3.1295

Triad

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



12.1864, 13.4824, 1.9601



7.5669, 13.4824, 30.8164



20.9300, 13.4824, 25.9080

Complementary

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



12.1864, 13.4824, 1.9601



3.3680, 1.5986, 16.9606

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.



17.6285, 13.4824, 40.5085



12.1864, 13.4824, 1.9601



9.8688, 13.4824, 44.2152

Square

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



12.1864, 13.4824, 1.9601



6.6711, 13.4824, 16.5865



13.4641, 13.4824, 48.4521



21.8985, 13.4824, 12.9256

Rectangle

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



12.1864, 13.4824, 1.9601



7.5822, 13.4824, 5.4240



13.4641, 13.4824, 48.4521



20.0273, 13.4824, 30.9619

Sweetspot

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



12.1867, 13.4830, 1.9604



26.3090, 28.8619, 18.1218



7.4268, 3.8183, 0.8205



5.9700, 6.5706, 3.8549



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.1867, 13.4830, 1.9604



21.7584, 24.0154, 3.4887



9.1932, 14.1825, 2.2531



3.9311, 4.1951, 3.9448



13.4197, 14.8407, 2.1572



64.9825, 71.4934, 10.3747

Inverse Universe

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



3.3680, 1.5986, 16.9606



5.9710, 2.7425, 30.3516



4.2032, 1.7960, 16.9547



3.5327, 3.6540, 4.6093



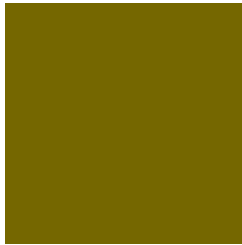
3.7035, 1.7467, 18.6845



17.7013, 7.8192, 90.9366

Previews

White Background



This preview shows how the XYZ color 12.1864, 13.4824, 1.9601 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 12.1864, 13.4824, 1.9601

Background



This preview shows how black text looks on a background with the XYZ color 12.1864, 13.4824, 1.9601.



This preview shows how white text looks on a background with the XYZ color 12.1864, 13.4824,

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

12.1864, 13.4824, 1.9601

Protanopia

12.0637, 13.4179, 2.0115

Deuteranopia

13.6462, 13.5102, 2.2693



Tritanopia

14.7994, 13.5560, 14.6685

Trichromacy



Original Color

12.1864, 13.4824, 1.9601

Protanomaly

12.0582, 13.4157, 1.9827

Deuteranomaly

13.0584, 13.4918, 2.1457

Tritanomaly

13.3304, 13.3820, 7.0346

Monochromacy



Original Color

12.1864, 13.4824, 1.9601

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7768, 11.9452, 6.0126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1864, 13.4824, 1.9601 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(117, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 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(117, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1864, 13.4824, 1.9601 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(117, 103, 0) }
```


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

```
.border{ border-color:rgb(117, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1864, 13.4824, 1.9601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 0) }
```

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

```
.background{ background-color: rgb(117,  
103, 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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