

Converting Colors

XYZ(12.6871, 17.2401, 2.6590)

Have a look what the booklet for
XYZ(12.6871, 17.2401, 2.6590)
contains.

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Color

**XYZ(12.6871, 17.2401,
2.6590)**

Conversions

Conversions Part 1

Format	Color
Hex	667C00
RGB	102, 124, 0
RGB Percent	40%, 49%, 0%
CMY	0.6000, 0.5137, 1.0000
CMYK	0.18, 0.00, 1.00, 0.51
HSL	71°, 100%, 24%
HSV	71°, 100%, 49%
XYZ	12.6871, 17.2401, 2.6590
YIQ	103.2860, 26.6920, -43.2280

Conversions

Conversions Part 2

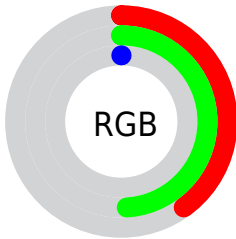
Format	Color
RYB	0, 124, 22
Decimal	6716416
CIELab	48.56, -22.75, 53.29
CIELCh	49, 57.940, 113.118
Yxy	17.2401, 0.3893, 0.5291
Android (android.graphics.Color)	4284906496 (0xFF667C00)
YUV	103.2860, -50.9200, -1.1278
Hunter-Lab	41.5212, -18.1201, 25.2679

Details

The XYZ color **12.6871, 17.2401, 2.6590** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9695, 1.6262, 19.1746**, and the grayscale version is **13.0945, 13.7764, 15.0025**.

A 20% lighter version of the original color is **30.3579, 38.8824, 10.7555**, and **3.8315, 5.7103, 0.9003** is the 20% darker color. If you saturate the color by 10%, you get **12.6873, 17.2408, 2.6591**, and if you desaturate by 10%, it is **13.0091, 17.3987, 3.0337**.

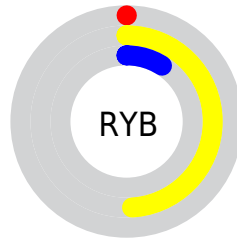
Distribution



Red (40%)

Green (49%)

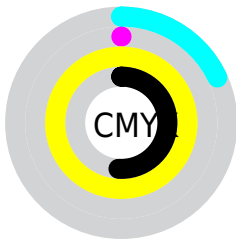
Blue (0%)



Red (0%)

Yellow (49%)

Blue (9%)

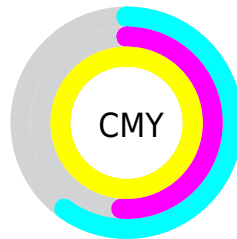


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (60%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6871, 17.2401, 2.6590 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 12.6871, 17.2401, 2.6590 by changing the saturation by 10% instead.

■ 12.6871, 17.2401,
2.6590

■ 12.6871, 17.2401,
2.6590

202.5809,
236.5522, 131.8915

■ 7.2889, 10.4058,
0.9227

■ 30.3466, 38.7381,
10.7747

■ 3.6914, 5.6689,
0.0000

■ 43.3387, 54.1707,
17.9918

■ 1.5291, 2.6448,
0.0000

■ 59.5928, 73.2381,
27.8731

■ 0.3455, 0.9492,
0.0000


■ 79.4742, 96.3248,
40.8371


■ 0.0000, 0.0000,
0.0000


■ 103.3484,
123.8152, 57.3024


■ 131.5807,


156.0936, 77.6876


 164.5364,
193.5445, 102.4111


 12.6871, 17.2401,
2.6590


 12.6871, 17.2401,
2.6590


 12.6873, 17.2408,
2.6591

 13.0091, 17.3987,
3.0337

 13.3730, 17.5743,
3.5963

 13.8030, 17.7770,
4.4714

 14.3060, 18.0097,
5.6959

 14.8881, 18.2749,
7.3016

■ 15.5549, 18.5747,
9.3167

■ 16.3110, 18.9111,
11.7668

■ 17.1612, 19.2858,
14.6754

■ 18.1094, 19.7007,
18.0642

Harmonies

Analogous

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



17.6434, 17.2401, 2.1182



12.6871, 17.2401, 2.6590



9.4871, 17.2401, 6.1026

Triad

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



12.6871, 17.2401, 2.6590



10.9790, 17.2401, 53.3350



28.7928, 17.2401, 22.5073

Complementary

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



12.6871, 17.2401, 2.6590



3.9695, 1.6262, 19.1746

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.



26.0122, 17.2401, 42.4321



12.6871, 17.2401, 2.6590



15.1902, 17.2401, 65.5024

Square

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



12.6871, 17.2401, 2.6590



8.6604, 17.2401, 32.7931



20.7423, 17.2401, 60.6954



27.7170, 17.2401, 9.4543

Rectangle

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



12.6871, 17.2401, 2.6590



8.4138, 17.2401, 11.4811



20.7423, 17.2401, 60.6954



28.2612, 17.2401, 28.6353

Sweetspot

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



12.6875, 17.2409, 2.6594



28.6009, 33.2324, 20.3695



8.5749, 4.8098, 0.4767



6.6234, 7.7768, 4.4273



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.6875, 17.2409, 2.6594



22.2215, 30.2845, 4.6743



8.1362, 14.8946, 2.4464



4.2413, 4.5997, 4.2888



12.8952, 17.5249, 2.7030



60.8660, 83.2630, 12.8634

Inverse Universe

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



3.9695, 1.6262, 19.1746



6.8951, 2.8150, 33.7365



7.1768, 3.2796, 19.3247



3.8579, 3.9246, 4.9974



4.0332, 1.6519, 19.4916



18.7155, 7.6102, 92.9523

Previews

White Background



This preview shows how the XYZ color 12.6871, 17.2401, 2.6590 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 12.6871, 17.2401, 2.6590

Background



This preview shows how black text looks on a background with the XYZ color 12.6871, 17.2401, 2.6590.

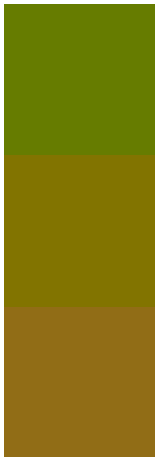


This preview shows how white text looks on a background with the XYZ color 12.6871, 17.2401,

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

12.6871, 17.2401, 2.6590

Protanopia

15.4513, 17.2366, 2.5126

Deuteranopia

17.2905, 17.0149, 3.1320



Tritanopia

16.4509, 17.1614, 21.5142

Trichromacy



Original Color

12.6871, 17.2401, 2.6590

Protanomaly

14.3426, 17.1867, 2.5614

Deuteranomaly

15.1498, 16.7335, 2.8469

Tritanomaly

14.0741, 16.7095, 9.8806

Monochromacy



Original Color

12.6871, 17.2401, 2.6590

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2613, 14.6458, 7.3349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6871, 17.2401, 2.6590 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(102, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 124, 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(102, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6871, 17.2401, 2.6590 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(102, 124, 0) }
```


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

```
.border{ border-color:rgb(102, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6871, 17.2401, 2.6590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 124, 0) }
```

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

```
.background{ background-color: rgb(102,  
124, 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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