

Converting Colors

XYZ(13.7675, 18.1729, 2.7821)

Have a look what the booklet for
XYZ(13.7675, 18.1729, 2.7821)
contains.

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Color

**XYZ(13.7675, 18.1729,
2.7821)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7E00
RGB	109, 126, 0
RGB Percent	43%, 49%, 0%
CMY	0.5726, 0.5059, 1.0000
CMYK	0.13, 0.00, 1.00, 0.51
HSL	68°, 100%, 25%
HSV	68°, 100%, 49%
XYZ	13.7675, 18.1729, 2.7821
YIQ	106.5530, 30.3140, -42.7900

Conversions

Conversions Part 2

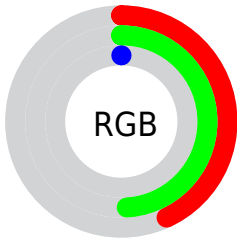
Format	Color
RYB	0, 126, 17
Decimal	7175680
CIELab	49.71, -20.62, 54.38
CIELCh	50, 58.157, 110.770
Yxy	18.1729, 0.3965, 0.5234
Android (android.graphics.Color)	4285365760 (0xFF6D7E00)
YUV	106.5530, -52.5306, 2.1460
Hunter-Lab	42.6297, -16.9544, 25.9714

Details

The XYZ color **13.7675, 18.1729, 2.7821** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9976, 1.6259, 19.8429**, and the grayscale version is **13.9868, 14.7152, 16.0248**.

A 20% lighter version of the original color is **32.3841, 40.5144, 11.1143**, and **4.3412, 6.1776, 0.9636** is the 20% darker color. If you saturate the color by 10%, you get **13.7677, 18.1736, 2.7822**, and if you desaturate by 10%, it is **14.0493, 18.3107, 3.1615**.

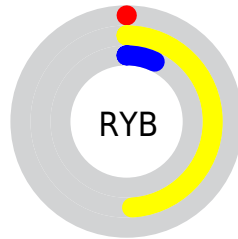
Distribution



Red (43%)

Green (49%)

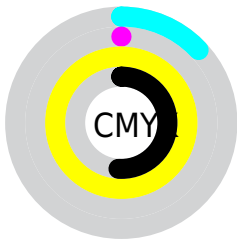
Blue (0%)



Red (0%)

Yellow (49%)

Blue (7%)

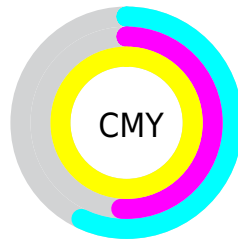


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (57%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7675, 18.1729, 2.7821 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 13.7675, 18.1729, 2.7821 by changing the saturation by 10% instead.

■ 13.7675, 18.1729,
2.7821

■ 13.7675, 18.1729,
2.7821

209.3193,
241.8438, 133.5351

■ 8.0398, 11.0742,
0.9845

■ 32.2656, 40.3317,
11.0859

■ 4.1724, 6.1168,
0.0000

■ 45.7667, 56.1606,
18.4291

■ 1.8001, 2.9162,
0.0000

■ 62.5897, 75.6684,
28.4579

■ 0.5178, 1.0881,
0.0000


■ 83.0998, 99.2394,
41.5909


■ 0.0000, 0.0000,
0.0000


■ 107.6625,
127.2580, 58.2465


■ 136.6430,


160.1087, 78.8434


 170.4069,
198.1758, 103.8001


 13.7675, 18.1729,
2.7821


 13.7675, 18.1729,
2.7821


 13.7677, 18.1736,
2.7822

 14.0493, 18.3107,
3.1615

 14.3722, 18.4647,
3.7381

 14.7606, 18.6454,
4.6386

 15.2220, 18.8558,
5.9014

 15.7625, 19.0983,
7.5597

■ 16.3878, 19.3752,
9.6427

■ 17.1030, 19.6886,
12.1772

■ 17.9127, 20.0402,
15.1875

■ 18.8213, 20.4319,
18.6963

Harmonies

Analogous

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



19.0364, 18.1729, 2.3749



13.7675, 18.1729, 2.7821



10.2719, 18.1729, 6.0943

Triad

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



13.7675, 18.1729, 2.7821



11.3793, 18.1729, 54.0247



30.0485, 18.1729, 25.0889

Complementary

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



13.7675, 18.1729, 2.7821



3.9976, 1.6259, 19.8429

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.



26.8959, 18.1729, 45.9952



13.7675, 18.1729, 2.7821



15.6216, 18.1729, 67.6840

Square

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



13.7675, 18.1729, 2.7821



9.1115, 18.1729, 32.6807



21.3276, 18.1729, 64.1471



29.2547, 18.1729, 10.8284

Rectangle

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



13.7675, 18.1729, 2.7821



9.0478, 18.1729, 11.3515



21.3276, 18.1729, 64.1471



29.3939, 18.1729, 31.6172

Sweetspot

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



13.7679, 18.1737, 2.7825



30.0089, 34.6130, 21.0906



8.8022, 4.8308, 0.4688



6.7242, 7.8287, 4.4320



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.



13.7679, 18.1737, 2.7825



24.1470, 31.9435, 4.8930



8.5974, 15.5082, 2.5405



4.6101, 4.9910, 4.6405



14.1210, 18.6420, 2.8540



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.9976, 1.6259, 19.8429



6.9602, 2.8224, 34.9223



7.0580, 3.2036, 19.9861



4.1587, 4.2374, 5.4120



4.0983, 1.6665, 20.3556



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7675, 18.1729, 2.7821 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



This preview shows how the XYZ color 13.7675, 18.1729, 2.7821 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 13.7675, 18.1729, 2.7821

Background



This preview shows how black text looks on a background with the XYZ color 13.7675, 18.1729, 2.7821.



This preview shows how white text looks on a background with the XYZ color 13.7675, 18.1729,

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

13.7675, 18.1729, 2.7821

Protanopia

16.1513, 17.9434, 2.6122

Deuteranopia

18.3334, 18.0358, 3.2740



Tritanopia

17.7349, 18.1509, 22.3074

Trichromacy



Original Color

13.7675, 18.1729, 2.7821

Protanomaly

15.1496, 17.9598, 2.6681

Deuteranomaly

16.2721, 17.8226, 2.9979

Tritanomaly

15.2347, 17.6570, 10.1946

Monochromacy



Original Color

13.7675, 18.1729, 2.7821

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2450, 15.6401, 7.7896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7675, 18.1729, 2.7821 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 126, 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(109, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 126, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7675, 18.1729, 2.7821 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, 126, 0) }
```


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

```
.border{ border-color:rgb(109, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 126,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7675, 18.1729, 2.7821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 126, 0) }
```

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

```
.background{ background-color: rgb(109,  
126, 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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