

Converting Colors

XYZ(13.6767, 18.0303, 7.1743)

Have a look what the booklet for
XYZ(13.6767, 18.0303, 7.1743)
contains.

XYZ(13.6700, 18.0253, 7.1736)	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(13.6700, 18.0253,
7.1736)**

Conversions

Conversions Part 1

Format	Color
Hex	657E3D
RGB	101, 126, 61
RGB Percent	40%, 49%, 24%
CMY	0.6039, 0.5059, 0.7608
CMYK	0.20, 0.00, 0.52, 0.51
HSL	83°, 35%, 37%
HSV	83°, 52%, 49%
XYZ	13.6700, 18.0253, 7.1736
YIQ	111.1150, 5.9650, -25.5150

Conversions

Conversions Part 2

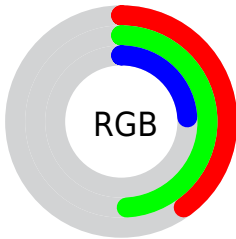
Format	Color
RYB	61, 126, 86
Decimal	6651453
CIELab	49.53, -20.48, 32.20
CIELCh	50, 38.159, 122.452
Yxy	18.0253, 0.3517, 0.4637
Android (android.graphics.Color)	4284841533 (0xFF657E3D)
YUV	111.1150, -24.7067, -8.8709
Hunter-Lab	42.4562, -16.8252, 19.7014

Details

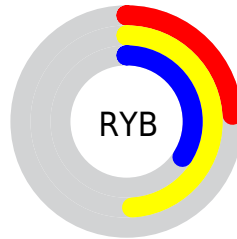
The XYZ color **13.6700, 18.0253, 7.1736** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.2730, 6.8227, 20.5678**, and the grayscale version is **15.2115, 16.0037, 17.4280**.

A 20% lighter version of the original color is **32.0714, 40.1383, 20.8090**, and **4.1493, 6.0695, 1.3683** is the 20% darker color. If you saturate the color by 10%, you get **12.8431, 17.6343, 5.5668**, and if you desaturate by 10%, it is **14.6096, 18.4663, 9.2028**.

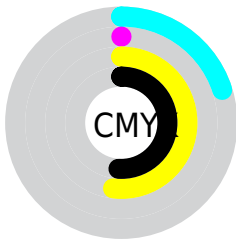
Distribution



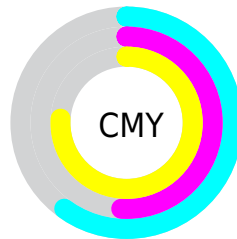
- Red (40%)
- Green (49%)
- Blue (24%)



- Red (24%)
- Yellow (49%)
- Blue (34%)



- Cyan (20%)
- Magenta (0%)
- Yellow (52%)
- Black (51%)



- Cyan (60%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6700, 18.0253, 7.1736 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 13.6700, 18.0253, 7.1736 by changing the saturation by 10% instead.

■ 13.6700, 18.0253,
7.1736

■ 13.6700, 18.0253,
7.1736

208.7201,
241.0136, 178.7838

■ 7.9717, 10.9682,
3.4908

■ 32.0935, 40.0804,
20.8404

■ 4.1285, 6.0454,
1.3504

■ 45.5494, 55.8472,
31.6615

■ 1.7751, 2.8727,
0.1026

■ 62.3219, 75.2860,
45.6991

■ 0.5026, 1.0656,
0.0000

■ 82.7762, 98.7811,
63.3718

■ 0.0000, 0.0000,
0.0000

■ 107.2779,
126.7171, 85.0980

■ 136.1922,

159.4782, 111.2964

169.8845,
197.4489, 142.3855

■ 13.6700, 18.0253,
7.1736

■ 13.6700, 18.0253,
7.1736

■ 12.8431, 17.6343,
5.5668

■ 14.6096, 18.4663,
9.2028

■ 12.1213, 17.2884,
4.3513

■ 15.6662, 18.9573,
11.6803

■ 11.4982, 16.9855,
3.4937

■ 16.8454, 19.5011,
14.6312

■ 10.9655, 16.7223,
2.9544

■ 18.1522, 20.0998,
18.0784

■ 10.5652, 16.5226,
2.6323

■ 19.5911, 20.7553,
22.0434

■ 21.1664, 21.4694,
26.5464

■ 22.8822, 22.2437,
31.6065

■ 24.7425, 23.0799,
37.2419

■ 26.7509, 23.9795,
43.4699

Harmonies

Analogous

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



16.8371, 18.0253, 5.7082



13.6700, 18.0253, 7.1736



11.6839, 18.0253, 11.7909

Triad

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



13.6700, 18.0253, 7.1736



14.1175, 18.0253, 43.0661



25.0487, 18.0253, 18.7878

Complementary

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



13.6700, 18.0253, 7.1736



9.2730, 6.8227, 20.5678

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.



24.0561, 18.0253, 30.3355



13.6700, 18.0253, 7.1736



17.4313, 18.0253, 46.9541

Square

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



13.6700, 18.0253, 7.1736



11.9156, 18.0253, 32.3487



21.1353, 18.0253, 41.6452



23.6855, 18.0253, 10.7724

Rectangle

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



13.6700, 18.0253, 7.1736



11.1295, 18.0253, 17.1285



21.1353, 18.0253, 41.6452



24.9794, 18.0253, 22.3563

Sweetspot

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



13.6704, 18.0261, 7.1740



31.0578, 34.9702, 29.4320



12.7683, 11.4154, 5.9455



6.9742, 7.9131, 6.4562



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.



13.6704, 18.0261, 7.1740



22.3554, 30.9194, 9.3495



10.7285, 16.5095, 7.0363



4.5101, 4.9394, 4.6358



10.8336, 16.9473, 2.7002



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2730, 6.8227, 20.5678



13.7120, 8.8615, 35.7321



12.9632, 8.7251, 20.7405



4.2531, 4.2861, 5.4164



5.1321, 2.1994, 20.4040



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6700, 18.0253, 7.1736 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 13.6700, 18.0253, 7.1736 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 13.6700, 18.0253, 7.1736

Background



This preview shows how black text looks on a background with the XYZ color 13.6700, 18.0253, 7.1736.



This preview shows how white text looks on a background with the XYZ color 13.6700, 18.0253,

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

13.6700, 18.0253, 7.1736

Protanopia

16.4481, 18.0082, 6.6120

Deuteranopia

18.2499, 17.8993, 7.4941



Tritanopia

16.9235, 18.0672, 23.0174

Trichromacy



Original Color

13.6700, 18.0253, 7.1736

Protanomaly

15.2345, 17.9124, 6.7922

Deuteranomaly

16.1888, 17.6819, 7.4102

Tritanomaly

15.5216, 18.0443, 15.7615

Monochromacy



Original Color

13.6700, 18.0253, 7.1736

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2846, 16.4069, 12.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6700, 18.0253, 7.1736 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(101, 126, 61)` looks like.

```
.text, #text, p{  
    color:rgb(101, 126, 61)  
}
```

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(101, 126, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 126, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.6700, 18.0253, 7.1736 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(101, 126, 61) }
```


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

```
.border{ border-color:rgb(101, 126, 61) }
```

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

Here you see how a box with a 4 pixel rgb(101, 126, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 126, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 126, 61);  
box-shadow:4px 4px 4px 4px rgb(101, 126,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6700, 18.0253, 7.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 126, 61) }
```

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

```
.background{ background-color: rgb(101,  
126, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor