

Converting Colors

XYZ(13.5646, 15.1653, 7.7547)

Have a look what the booklet for
XYZ(13.5646, 15.1653, 7.7547)
contains.

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Color

**XYZ(13.5587, 15.1466,
7.6778)**

Conversions

Conversions Part 1

Format	Color
Hex	726E44
RGB	114, 110, 68
RGB Percent	45%, 43%, 27%
CMY	0.5529, 0.5686, 0.7333
CMYK	0.00, 0.04, 0.40, 0.55
HSL	55°, 25%, 36%
HSV	55°, 40%, 45%
XYZ	13.5587, 15.1466, 7.6778
YIQ	106.4080, 15.8660, -12.2140

Conversions

Conversions Part 2

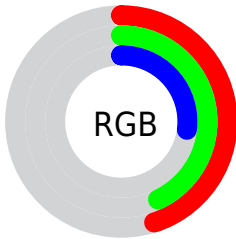
Format	Color
R_{YB}	72, 114, 68
Decimal	7499332
CIE _{Lab}	45.83, -5.27, 23.98
CIE _{LCh}	46, 24.557, 102.400
Yxy	15.1466, 0.3727, 0.4163
Android (android.graphics.Color)	4285689412 (0xFF726E44)
YUV	106.4080, -18.9351, 6.6582
Hunter-Lab	38.9186, -5.9207, 15.5464

Details

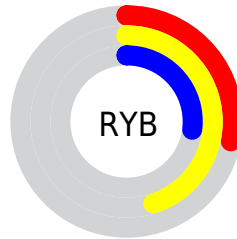
The XYZ color **13.5587, 15.1466, 7.6778** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.7384, 7.0783, 16.8779**, and the grayscale version is **13.8593, 14.5811, 15.8788**.

A 20% lighter version of the original color is **31.8921, 34.9896, 21.9024**, and **4.1121, 4.7407, 1.5089** is the 20% darker color. If you saturate the color by 10%, you get **13.1380, 14.8088, 5.9849**, and if you desaturate by 10%, it is **14.0491, 15.5152, 9.7282**.

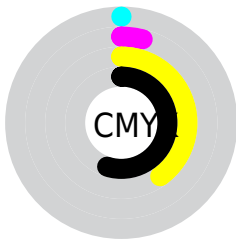
Distribution



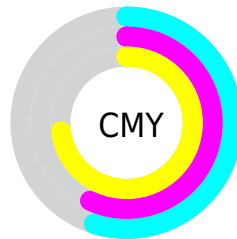
- Red (45%)
- Green (43%)
- Blue (27%)



- Red (28%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (4%)
- Yellow (40%)
- Black (55%)



- Cyan (55%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5587, 15.1466, 7.6778 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 13.5587, 15.1466, 7.6778 by changing the saturation by 10% instead.

■ 13.5587, 15.1466,
7.6778

■ 13.5587, 15.1466,
7.6778

208.0340,
224.2518, 183.0217

■ 7.8940, 8.9223,
3.8047

■ 31.8968, 35.1102,
21.8600

■ 4.0784, 4.6906,
1.5188

■ 45.3009, 49.6182,
33.0061

■ 1.7466, 2.0669,
0.2319

■ 62.0155, 67.6564,
47.4137

■ 0.4852, 0.6459,
0.0000

■ 82.4060, 89.6090,
65.5012

■ 0.0000, 0.0000,
0.0000

■ 106.8378,
115.8604, 87.6872

135.6761,

146.7951, 114.3903

169.2864,
182.7975, 146.0290

■ 13.5587, 15.1466,
7.6778

■ 13.5587, 15.1466,
7.6778

■ 13.1380, 14.8088,
5.9849

■ 14.0491, 15.5152,
9.7282

■ 12.7818, 14.4982,
4.6278

■ 14.6116, 15.9141,
12.1542

■ 12.4863, 14.2137,
3.5838

■ 15.2499, 16.3453,
14.9739

■ 12.2464, 13.9535,
2.8273

■ 15.9673, 16.8100,
18.2039

■ 12.0565, 13.7151,
2.3285

■ 16.7668, 17.3094,
21.8597

■ 11.8993, 13.4972,
1.9781

■ 17.6510, 17.8447,
25.9563

■ 18.6228, 18.4170,
30.5077

■ 19.6847, 19.0272,
35.5275

■ 20.8391, 19.6764,
41.0285

Harmonies

Analogous

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



15.6334, 15.1466, 7.8397



13.5587, 15.1466, 7.6778



11.8764, 15.1466, 9.4267

Triad

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



13.5587, 15.1466, 7.6778



11.6533, 15.1466, 25.4320



18.5323, 15.1466, 20.1836

Complementary

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



13.5587, 15.1466, 7.6778



7.7384, 7.0783, 16.8779

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.



17.2498, 15.1466, 26.4204



13.5587, 15.1466, 7.6778



13.2264, 15.1466, 29.9145

Square

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



13.5587, 15.1466, 7.6778



10.8492, 15.1466, 19.0623



15.2679, 15.1466, 30.3143



18.6431, 15.1466, 14.1639

Rectangle

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



13.5587, 15.1466, 7.6778



11.1500, 15.1466, 11.7556



15.2679, 15.1466, 30.3143



18.2186, 15.1466, 22.3555

Sweetspot

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



13.5591, 15.1473, 7.6781



26.5683, 28.5707, 25.2870



10.1960, 8.1875, 7.2772



6.1200, 6.5912, 5.7402



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.



13.5591, 15.1473, 7.6781



23.1641, 26.0875, 10.8187



11.8426, 14.9171, 7.7241



3.6183, 3.8691, 3.6294



13.2403, 15.0131, 2.2000



65.6395, 74.1542, 10.8536

Inverse Universe

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



7.7384, 7.0783, 16.8779



11.4896, 9.9071, 29.2822



8.9792, 7.3468, 16.8643



3.2388, 3.3428, 4.2287



3.4941, 1.5785, 17.8421



17.1198, 7.2916, 88.7842

Previews

White Background



This preview shows how the XYZ color 13.5587, 15.1466, 7.6778 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 13.5587, 15.1466, 7.6778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

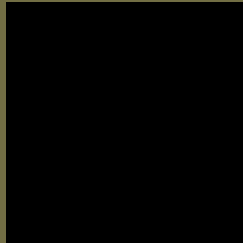
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5587, 15.1466, 7.6778

Background



This preview shows how black text looks on a background with the XYZ color 13.5587, 15.1466, 7.6778.



This preview shows how white text looks on a background with the XYZ color 13.5587, 15.1466,

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

13.5587, 15.1466, 7.6778

Protanopia

13.9530, 15.1941, 7.5075

Deuteranopia

15.3846, 15.1556, 7.7447



Tritanopia

15.6400, 15.2173, 17.7357

Trichromacy



Original Color

13.5587, 15.1466, 7.6778

Protanomaly

13.8179, 15.1244, 7.5012

Deuteranomaly

14.6857, 15.0977, 7.7704

Tritanomaly

14.7515, 15.1604, 13.4580

Monochromacy



Original Color

13.5587, 15.1466, 7.6778

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4961, 14.5393, 12.2203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5587, 15.1466, 7.6778 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(114, 110, 68)` looks like.

```
.text, #text, p{  
    color:rgb(114, 110, 68)  
}
```

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(114, 110, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 110, 68) }
```

Border

The CSS property to change the border of an element to XYZ 13.5587, 15.1466, 7.6778 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(114, 110, 68) }
```


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

```
.border{ border-color:rgb(114, 110, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 110, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 110, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 110, 68);  
box-shadow:4px 4px 4px 4px rgb(114, 110,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5587, 15.1466, 7.6778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 110, 68) }
```

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

```
.background{ background-color: rgb(114,  
110, 68) }
```

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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