

Converting Colors

XYZ(13.4799, 13.5155, 10.9151)

Have a look what the booklet for
XYZ(13.4799, 13.5155, 10.9151)
contains.

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Color

**XYZ(13.4799, 13.5155,
10.9151)**

Conversions

Conversions Part 1

Format	Color
Hex	746457
RGB	116, 100, 87
RGB Percent	45%, 39%, 34%
CMY	0.5451, 0.6078, 0.6588
CMYK	0.00, 0.14, 0.25, 0.55
HSL	27°, 14%, 40%
HSV	27°, 25%, 45%
XYZ	13.4799, 13.5155, 10.9151
YIQ	103.3020, 13.7090, -0.6510

Conversions

Conversions Part 2

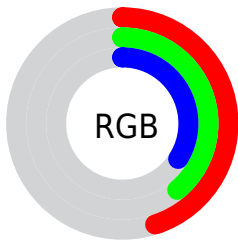
Format	Color
RYB	116, 111, 87
Decimal	7627863
CIELab	43.53, 4.15, 9.73
CIELCh	44, 10.579, 66.888
Yxy	13.5155, 0.3556, 0.3565
Android (android.graphics.Color)	4285817943 (0xFF746457)
YUV	103.3020, -8.0369, 11.1361
Hunter-Lab	36.7634, 1.1139, 8.1311

Details

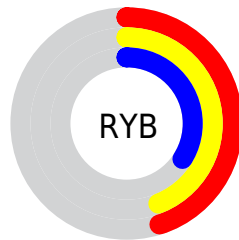
The XYZ color **13.4799, 13.5155, 10.9151** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9329, 12.9872, 18.4008**, and the grayscale version is **12.9905, 13.6670, 14.8834**.

A 20% lighter version of the original color is **31.7304, 32.2642, 28.2221**, and **4.0058, 3.9067, 2.7334** is the 20% darker color. If you saturate the color by 10%, you get **12.4538, 12.1618, 8.4198**, and if you desaturate by 10%, it is **14.6311, 14.9974, 13.8282**.

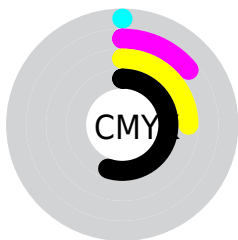
Distribution



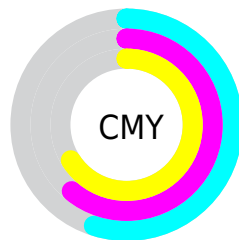
- Red (45%)
- Green (39%)
- Blue (34%)



- Red (45%)
- Yellow (44%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (25%)
- Black (55%)



- Cyan (55%)
- Magenta (61%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4799, 13.5155, 10.9151 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 13.4799, 13.5155, 10.9151 by changing the saturation by 10% instead.

■ 13.4799, 13.5155,
10.9151

■ 13.4799, 13.5155,
10.9151

207.5468,
214.1955, 207.8006

■ 7.8391, 7.7845,
5.8963

■ 31.7573, 32.2268,
28.1373

■ 4.0431, 3.9573,
2.7144

■ 45.1247, 45.9760,
41.1778

■ 1.7265, 1.6497,
0.9506

■ 61.7982, 63.1665,
57.7293

■ 0.4728, 0.3908,
0.0000

■ 82.1434, 84.1830,
78.2104

■ 0.0000, 0.0000,
0.0000

■ 106.5254,
109.4097, 103.0395

135.3098,

139.2312, 132.6352

168.8618,
174.0316, 167.4161

■ 13.4799, 13.5155,
10.9151

■ 13.4799, 13.5155,
10.9151

■ 12.4538, 12.1618,
8.4198

■ 14.6311, 14.9974,
13.8282

■ 11.5471, 10.9307,
6.3221

■ 15.9108, 16.6090,
17.1765

■ 10.7549, 9.8190,
4.6010

■ 17.3236, 18.3544,
20.9774

■ 10.0719, 8.8226,
3.2336

■ 18.8734, 20.2368,
25.2471

■ 9.4919, 7.9371,
2.1942

■ 20.5642, 22.2591,
30.0009

■ 9.0083, 7.1578,
1.4537

■ 22.3996, 24.4245,
35.2536

■ 8.6105, 6.4783,
0.9632

■ 24.3831, 26.7358,
41.0193

■ 8.4310, 6.1700,
0.7466

■ 26.5181, 29.1957,
47.3113

■ 28.8080, 31.8071,
54.1427

Harmonies

Analogous

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



14.1592, 13.5155, 12.1502



13.4799, 13.5155, 10.9151



12.6565, 13.5155, 10.6450

Triad

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



13.4799, 13.5155, 10.9151



11.3324, 13.5155, 15.2686



13.8236, 13.5155, 18.6638

Complementary

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



13.4799, 13.5155, 10.9151



11.9329, 12.9872, 18.4008

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.



13.0376, 13.5155, 19.7117



13.4799, 13.5155, 10.9151



11.6167, 13.5155, 17.6200

Square

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



13.4799, 13.5155, 10.9151



11.4394, 13.5155, 13.0012



12.2324, 13.5155, 19.3106



14.3635, 13.5155, 16.5755

Rectangle

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



13.4799, 13.5155, 10.9151



12.1408, 13.5155, 11.0193



12.2324, 13.5155, 19.3106



13.5781, 13.5155, 19.1591

Sweetspot

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



13.4803, 13.5161, 10.9154



27.4588, 28.5590, 28.8446



13.0807, 11.5175, 14.4800



6.5286, 6.7855, 6.8231



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.



13.4803, 13.5161, 10.9154



22.6305, 22.3608, 16.5730



14.9476, 16.4508, 11.4045



3.8066, 3.9462, 3.9033



9.4434, 6.8880, 0.8318



45.1882, 31.9050, 3.7766

Inverse Universe

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



11.9329, 12.9872, 18.4008



19.4150, 21.2607, 32.1250



10.6498, 10.4210, 17.9731



3.6524, 3.8935, 4.6493



5.5758, 5.4913, 19.3086



26.3066, 25.0297, 93.8050

Previews

White Background



This preview shows how the XYZ color 13.4799, 13.5155, 10.9151 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 13.4799, 13.5155, 10.9151 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 13.4799, 13.5155, 10.9151

Background



This preview shows how black text looks on a background with the XYZ color 13.4799, 13.5155, 10.9151.



This preview shows how white text looks on a background with the XYZ color 13.4799, 13.5155,

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

13.4799, 13.5155, 10.9151

Protanopia

12.7960, 13.5932, 11.1818

Deuteranopia

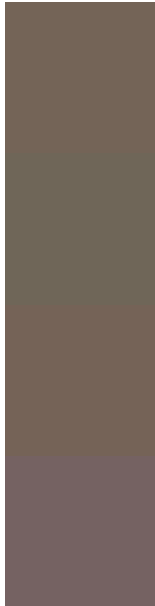
13.6534, 13.4634, 10.8959



Tritanopia

14.2957, 13.4209, 15.2016

Trichromacy



Original Color

13.4799, 13.5155, 10.9151

Protanomaly

13.0684, 13.5868, 11.1663

Deuteranomaly

13.5183, 13.3937, 10.8896

Tritanomaly

13.9084, 13.3991, 13.4085

Monochromacy



Original Color

13.4799, 13.5155, 10.9151

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0934, 13.5540, 13.2353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4799, 13.5155, 10.9151 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(116, 100, 87)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 87)  
}
```

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(116, 100, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 87) }
```

Border

The CSS property to change the border of an element to XYZ 13.4799, 13.5155, 10.9151 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(116, 100, 87) }
```


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

```
.border{ border-color:rgb(116, 100, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 87);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4799, 13.5155, 10.9151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 87) }
```

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

```
.background{ background-color: rgb(116,  
100, 87) }
```

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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