

Converting Colors

XYZ(13.5017, 15.4827, 13.3653)

Have a look what the booklet for
XYZ(13.5017, 15.4827, 13.3653)
contains.

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Color

**XYZ(13.4959, 15.4796,
13.3429)**

Conversions

Conversions Part 1

Format	Color
Hex	667160
RGB	102, 113, 96
RGB Percent	40%, 44%, 38%
CMY	0.6000, 0.5569, 0.6235
CMYK	0.10, 0.00, 0.15, 0.56
HSL	99°, 8%, 41%
HSV	99°, 15%, 44%
XYZ	13.4959, 15.4796, 13.3429
YIQ	107.7730, -1.0990, -7.6190

Conversions

Conversions Part 2

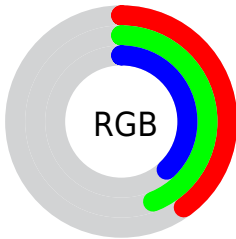
Format	Color
R_{YB}	96, 113, 107
Decimal	6713696
CIE Lab	46.28, -7.62, 8.05
CIE LCh	46, 11.079, 133.428
Yxy	15.4796, 0.3189, 0.3658
Android (android.graphics.Color)	4284903776 (0xFF667160)
YUV	107.7730, -5.8041, -5.0629
Hunter-Lab	39.3441, -7.6228, 7.4337

Details

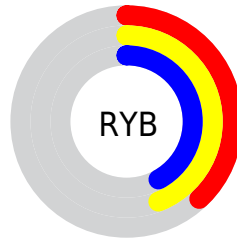
The XYZ color **13.4959, 15.4796, 13.3429** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2277, 12.6843, 17.3748**, and the grayscale version is **14.2066, 14.9464, 16.2767**.

A 20% lighter version of the original color is **31.8585, 35.7892, 32.8326**, and **4.0416, 4.8231, 3.7356** is the 20% darker color. If you saturate the color by 10%, you get **12.2201, 14.8782, 10.7598**, and if you desaturate by 10%, it is **14.9205, 16.1499, 16.3240**.

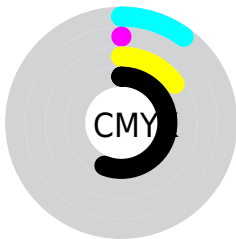
Distribution



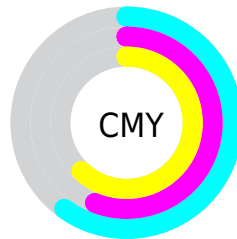
- Red (40%)
- Green (44%)
- Blue (38%)



- Red (38%)
- Yellow (44%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4959, 15.4796, 13.3429 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 13.4959, 15.4796, 13.3429 by changing the saturation by 10% instead.

■ 13.4959, 15.4796,
13.3429

■ 13.4959, 15.4796,
13.3429

207.6458,
226.2510, 224.3882

■ 7.8502, 9.1567,
7.5316

■ 31.7857, 35.6924,
32.6186

■ 4.0503, 4.8435,
3.7133

■ 45.1605, 50.3510,
46.9201

■ 1.7306, 2.1557,
1.4694

■ 61.8424, 68.5570,
64.8888

■ 0.4753, 0.6957,
0.1950

■ 82.1967, 90.6947,
86.9431

■ 0.0000, 0.0000,
0.0000

106.5889,
117.1486, 113.5017

135.3842,

148.3030, 144.9830

168.9481,
184.5424, 181.8057

■ 13.4959, 15.4796,
13.3429

■ 13.4959, 15.4796,
13.3429

■ 12.2201, 14.8782,
10.7598

■ 14.9205, 16.1499,
16.3240

■ 11.0868, 14.3416,
8.5570

■ 16.4974, 16.8894,
19.7181

■ 10.0911, 13.8679,
6.7168

■ 18.2316, 17.7006,
23.5403

■ 9.2271, 13.4548,
5.2196

■ 20.1275, 18.5856,
27.8048

■ 8.4888, 13.0994,
4.0442

■ 22.1893, 19.5461,
32.5253

■ 7.8694, 12.7989,
3.1668

■ 24.4211, 20.5841,
37.7147

■ 7.3614, 12.5499,
2.5606

■ 26.8267, 21.7012,
43.3854

■ 6.9533, 12.3476,
2.1776

■ 29.4099, 22.8991,
49.5495

■ 6.7755, 12.2595,
2.0092

■ 32.1743, 24.1795,
56.2185

Harmonies

Analogous

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



14.2939, 15.4796, 12.2728



13.4959, 15.4796, 13.3429



13.0352, 15.4796, 15.4101

Triad

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



13.4959, 15.4796, 13.3429



14.1995, 15.4796, 22.3653



16.5567, 15.4796, 15.6720

Complementary

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



13.4959, 15.4796, 13.3429



13.2277, 12.6843, 17.3748

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.



16.5287, 15.4796, 18.3867



13.4959, 15.4796, 13.3429



15.1400, 15.4796, 22.4549

Square

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



13.4959, 15.4796, 13.3429



13.4293, 15.4796, 20.7012



16.0009, 15.4796, 20.9341



16.0758, 15.4796, 13.5168

Rectangle

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



13.4959, 15.4796, 13.3429



12.9685, 15.4796, 17.1685



16.0009, 15.4796, 20.9341



16.6071, 15.4796, 16.5446

Sweetspot

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



13.4963, 15.4803, 13.3432



26.6927, 28.9067, 29.1793



14.1555, 14.8227, 13.1816



6.1399, 6.6695, 6.6778



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.



13.4963, 15.4803, 13.3432



23.3517, 27.3348, 22.2241



12.9467, 15.1847, 13.8703



3.4458, 3.8152, 3.6281



7.6651, 13.8952, 2.2781



37.3239, 68.7752, 11.3078

Inverse Universe

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



13.2277, 12.6843, 17.3748



22.7739, 21.3240, 30.8911



13.8481, 13.0187, 16.7459



3.4057, 3.3974, 4.2305



6.4873, 2.9537, 17.9498



31.3552, 14.2186, 89.3710

Previews

White Background



This preview shows how the XYZ color 13.4959, 15.4796, 13.3429 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 13.4959, 15.4796, 13.3429 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

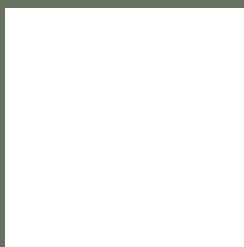
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4959, 15.4796, 13.3429

Background



This preview shows how black text looks on a background with the XYZ color 13.4959, 15.4796, 13.3429.



This preview shows how white text looks on a background with the XYZ color 13.4959, 15.4796,

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

13.4959, 15.4796, 13.3429

Protanopia

14.5593, 15.3903, 12.7929

Deuteranopia

15.6708, 15.4750, 13.7163



Tritanopia

14.7314, 15.4870, 19.6656

Trichromacy



Original Color

13.4959, 15.4796, 13.3429

Protanomaly

14.0719, 15.2931, 13.0367

Deuteranomaly

14.8288, 15.5133, 13.5221

Tritanomaly

14.2626, 15.4596, 17.2712

Monochromacy



Original Color

13.4959, 15.4796, 13.3429

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0185, 15.2155, 15.2947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4959, 15.4796, 13.3429 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, 113, 96)` looks like.

```
.text, #text, p{  
    color:rgb(102, 113, 96)  
}
```

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, 113, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 113, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.4959, 15.4796, 13.3429 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, 113, 96) }
```


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

```
.border{ border-color:rgb(102, 113, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 113, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 113, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 113, 96);  
box-shadow:4px 4px 4px 4px rgb(102, 113,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4959, 15.4796, 13.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 113, 96) }
```

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

```
.background{ background-color: rgb(102,  
113, 96) }
```

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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