

Converting Colors

XYZ(15.8428, 13.7254, 28.7148)

Have a look what the booklet for
XYZ(15.8428, 13.7254, 28.7148)
contains.

XYZ(15.8493, 13.7896, 28.6144)	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(15.8493, 13.7896,
28.6144)**

Conversions

Conversions Part 1

Format	Color
Hex	6F6091
RGB	111, 96, 145
RGB Percent	44%, 38%, 57%
CMY	0.5647, 0.6235, 0.4314
CMYK	0.23, 0.34, 0.00, 0.43
HSL	258°, 20%, 47%
HSV	258°, 34%, 57%
XYZ	15.8493, 13.7896, 28.6144
YIQ	106.0710, -6.7890, 18.4190

Conversions

Conversions Part 2

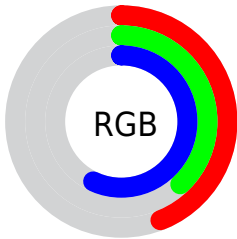
Format	Color
R _Y B	111, 96, 145
Decimal	7299217
CIE Lab	43.93, 16.89, -24.78
CIE LCh	44, 29.988, 304.279
Yxy	13.7896, 0.2721, 0.2367
Android (android.graphics.Color)	4285489297 (0xFF6F6091)
YUV	106.0710, 19.1920, 4.3227
Hunter-Lab	37.1344, 11.2004, -19.6927

Details

The XYZ color **15.8493, 13.7896, 28.6144** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.4430, 25.8415, 14.9246**, and the grayscale version is **13.6699, 14.3818, 15.6617**.

A 20% lighter version of the original color is **35.8468, 32.7775, 58.4702**, and **5.1476, 4.1135, 11.1123** is the 20% darker color. If you saturate the color by 10%, you get **13.4510, 10.7674, 28.1577**, and if you desaturate by 10%, it is **18.6352, 17.3744, 29.1597**.

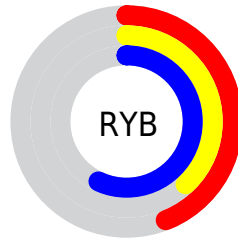
Distribution



Red (44%)

Green (38%)

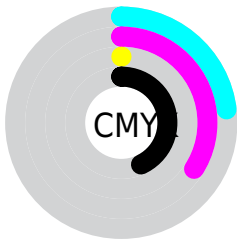
Blue (57%)



Red (44%)

Yellow (38%)

Blue (57%)

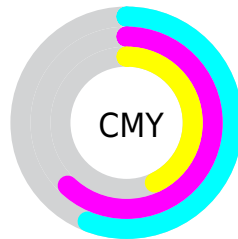


Cyan (23%)

Magenta (34%)

Yellow (0%)

Black (43%)



Cyan (56%)

Magenta (62%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8493, 13.7896, 28.6144 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 15.8493, 13.7896, 28.6144 by changing the saturation by 10% instead.

■ 15.8493, 13.7896,
28.6144

■ 15.8493, 13.7896,
28.6144

221.7387,
215.9180, 309.3950

■ 9.5077, 7.9745,
18.5463

■ 35.8959, 32.7152,
58.4987

■ 5.1336, 4.0786,
11.1694

■ 50.3318, 46.5945,
79.1520

■ 2.3614, 1.7176,
6.0653

■ 68.1964, 63.9307,
104.1707

■ 0.8258, 0.4350,
2.8154

■ 89.8551, 85.1081,
133.9734

■ 0.0000, 0.0000,
1.0012

115.6734,
110.5111, 168.9787

■ 0.0000, 0.0000,
0.0000

146.0165,

140.5242, 209.6050

181.2498,
175.5317, 256.2709

■ 15.8493, 13.7896,
28.6144

■ 15.8493, 13.7896,
28.6144

■ 13.4510, 10.7674,
28.1577

■ 18.6352, 17.3744,
29.1597

■ 11.4207, 8.2770,
27.7840

■ 21.8242, 21.5474,
29.7971

■ 9.7392, 6.2867,
27.4885

■ 25.4325, 26.3344,
30.5309

■ 8.3848, 4.7611,
27.2654

■ 29.4752, 31.7593,
31.3650

■ 7.3332, 3.6598,
27.1082

■ 33.9666, 37.8447,
32.3028

■ 6.5555, 2.9341,
27.0092

■ 38.9200, 44.6119,
33.3480

■ 6.1664, 2.5885,
26.9629

■ 44.3486, 52.0814,
34.5036

■ 50.2647, 60.2729,
35.7729

■ 56.6804, 69.2052,
37.1589

Harmonies

Analogous

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



13.4501, 13.7896, 32.1880



15.8493, 13.7896, 28.6144



17.6641, 13.7896, 21.4327

Triad

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



15.8493, 13.7896, 28.6144



15.1891, 13.7896, 6.0480



9.0613, 13.7896, 16.0112

Complementary

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



15.8493, 13.7896, 28.6144



21.4430, 25.8415, 14.9246

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.



9.4093, 13.7896, 10.0256



15.8493, 13.7896, 28.6144



12.7690, 13.7896, 5.3871

Square

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



15.8493, 13.7896, 28.6144



17.2518, 13.7896, 8.7896



10.7001, 13.7896, 6.5958



9.6850, 13.7896, 23.6466

Rectangle

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



15.8493, 13.7896, 28.6144



18.1934, 13.7896, 16.3558



10.7001, 13.7896, 6.5958



9.0691, 13.7896, 13.7487

Sweetspot

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



15.8498, 13.7902, 28.6147



41.3113, 41.5312, 53.8125



17.9577, 20.5768, 29.8136



9.0149, 9.0072, 11.9356



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8498, 13.7902, 28.6147



24.8681, 20.2551, 50.5725



19.3180, 15.5781, 28.7770



5.2752, 5.3301, 6.7795



5.3132, 2.2326, 23.1280



0.0712, 0.0319, 0.2221

Inverse Universe

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



19.8896, 15.9977, 23.1589



33.4257, 24.9394, 38.6568



18.1573, 24.1476, 14.7708



5.5569, 5.4833, 6.4307



12.0262, 5.9675, 11.0552



0.1248, 0.0610, 0.1576

Previews

White Background



This preview shows how the XYZ color 15.8493, 13.7896, 28.6144 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 15.8493, 13.7896, 28.6144 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 15.8493, 13.7896, 28.6144

Background



This preview shows how black text looks on a background with the XYZ color 15.8493, 13.7896, 28.6144.



This preview shows how white text looks on a background with the XYZ color 15.8493, 13.7896,

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

15.8493, 13.7896, 28.6144

Protanopia

14.3762, 13.8286, 30.7656

Deuteranopia

14.1987, 13.9383, 28.3276



Tritanopia

13.5452, 13.8515, 16.9986

Trichromacy



Original Color

15.8493, 13.7896, 28.6144

Protanomaly

14.8322, 13.7938, 29.8977

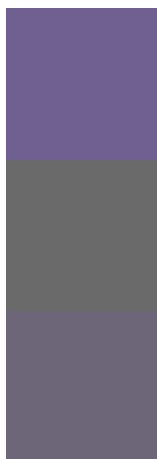
Deuteranomaly

14.6282, 13.7246, 28.2637

Tritanomaly

14.1957, 13.6702, 20.6293

Monochromacy



Original Color

15.8493, 13.7896, 28.6144

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.3259, 14.0470, 19.7256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8493, 13.7896, 28.6144 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(111, 96, 145)` looks like.

```
.text, #text, p{  
    color:rgb(111, 96, 145)  
}
```

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(111, 96, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 96, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.8493, 13.7896, 28.6144 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(111, 96, 145) }
```


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

```
.border{ border-color:rgb(111, 96, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 96, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 96, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 96, 145);  
box-shadow:4px 4px 4px 4px rgb(111, 96,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8493, 13.7896, 28.6144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 96, 145) }
```

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

```
.background{ background-color: rgb(111, 96,  
145) }
```

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