

Converting Colors

XYZ(18.4778, 18.0759, 15.4954)

Have a look what the booklet for
XYZ(18.4778, 18.0759, 15.4954)
contains.

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Color

**XYZ(18.3955, 17.9606,
15.5939)**

Conversions

Conversions Part 1

Format	Color
Hex	877168
RGB	135, 113, 104
RGB Percent	53%, 44%, 41%
CMY	0.4706, 0.5568, 0.5922
CMYK	0.00, 0.16, 0.23, 0.47
HSL	17°, 13%, 47%
HSV	17°, 23%, 53%
XYZ	18.3955, 17.9606, 15.5939
YIQ	118.5520, 16.0010, 1.8650

Conversions

Conversions Part 2

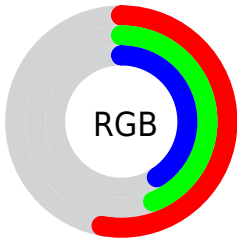
Format	Color
R_{YB}	135, 117, 104
Decimal	8876392
CIE Lab	49.45, 7.11, 8.20
CIE LCh	49, 10.858, 49.061
Yxy	17.9606, 0.3541, 0.3457
Android (android.graphics.Color)	4287066472 (0xFF877168)
YUV	118.5520, -7.1741, 14.4249
Hunter-Lab	42.3799, 3.3151, 7.8499

Details

The XYZ color **18.3955, 17.9606, 15.5939** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5429, 19.6136, 25.7831**, and the grayscale version is **17.4119, 18.3187, 19.9490**.

A 20% lighter version of the original color is **40.3578, 40.0956, 36.6225**, and **6.3751, 6.0073, 4.6944** is the 20% darker color. If you saturate the color by 10%, you get **16.7511, 15.6827, 11.9292**, and if you desaturate by 10%, it is **20.2635, 20.5098, 19.8752**.

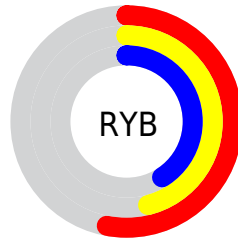
Distribution



Red (53%)

Green (44%)

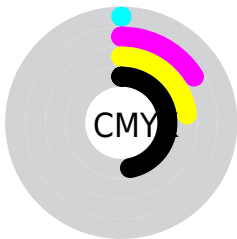
Blue (41%)



Red (53%)

Yellow (46%)

Blue (41%)

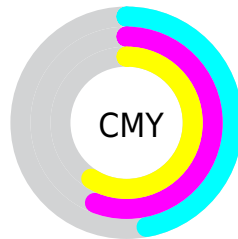


Cyan (0%)

Magenta (16%)

Yellow (23%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3955, 17.9606, 15.5939 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 18.3955, 17.9606, 15.5939 by changing the saturation by 10% instead.

■ 18.3955, 17.9606,
15.5939

■ 18.3955, 17.9606,
15.5939

236.0936,
240.6489, 238.6967

■ 11.3357, 10.9217,
9.0860

■ 40.2349, 39.9702,
36.6487

■ 6.3621, 6.0142,
4.6998

■ 55.7453, 55.7096,
52.0326

■ 3.1092, 2.8537,
2.0166

■ 74.8032, 75.1181,
71.2124

■ 1.2118, 1.0558,
0.5654

■ 97.7740, 98.5799,
94.6064

■ 0.1156, 0.0000,
0.0000

125.0231,
126.4795, 122.6334

■ 0.0000, 0.0000,
0.0000

156.9159,

159.2013, 155.7117

193.8176,
197.1296, 194.2599

■ 18.3955, 17.9606,
15.5939

■ 18.3955, 17.9606,
15.5939

■ 16.7511, 15.6827,
11.9292

■ 20.2635, 20.5098,
19.8752

■ 15.3202, 13.6645,
8.8514

■ 22.3619, 23.3363,
24.7988

■ 14.0939, 11.8972,
6.3299

■ 24.6989, 26.4492,
30.3902

■ 13.0622, 10.3707,
4.3310

■ 27.2819, 29.8565,
36.6732

■ 12.2142, 9.0741,
2.8172

■ 30.1179, 33.5656,
43.6704

■ 11.5377, 7.9954,
1.7458

■ 33.2139, 37.5839,
51.4035

■ 11.0187, 7.1215,
1.0667

■ 36.5762, 41.9183,
59.8930

■ 10.7240, 6.6154,
0.7117

■ 40.2112, 46.5757,
69.1589

■ 44.1249, 51.5626,
79.2202

Harmonies

Analogous

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



19.0027, 17.9606, 17.7697



18.3955, 17.9606, 15.5939



17.4478, 17.9606, 14.5204

Triad

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



18.3955, 17.9606, 15.5939



15.2078, 17.9606, 18.5042



17.7229, 17.9606, 25.3919

Complementary

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



18.3955, 17.9606, 15.5939



17.5429, 19.6136, 25.7831

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.



16.6997, 17.9606, 25.6391



18.3955, 17.9606, 15.5939



15.2748, 17.9606, 21.4583

Square

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



18.3955, 17.9606, 15.5939



15.6248, 17.9606, 16.0852



15.8117, 17.9606, 24.1382



18.6038, 17.9606, 23.4933

Rectangle

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



18.3955, 17.9606, 15.5939



16.7624, 17.9606, 14.4941



15.8117, 17.9606, 24.1382



17.3834, 17.9606, 25.6776

Sweetspot

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



18.3960, 17.9614, 15.5943



38.4182, 39.6059, 40.5685



18.7221, 16.5637, 22.0226



8.8556, 9.1163, 9.2975



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.3960, 17.9614, 15.5943



31.2269, 29.7954, 24.0761



20.2467, 21.6629, 16.2112



4.7746, 4.8929, 4.9221



9.8993, 6.1211, 0.6597



0.0400, 0.0325, 0.0042

Inverse Universe

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



17.5429, 19.6136, 25.7831



29.3945, 33.3355, 45.9335



15.7359, 15.9997, 25.1807



4.6904, 5.0565, 5.9295



7.8843, 9.3165, 22.5194



0.0336, 0.0449, 0.0801

Previews

White Background



This preview shows how the XYZ color 18.3955, 17.9606, 15.5939 looks on a white background.

Color Contrast Check

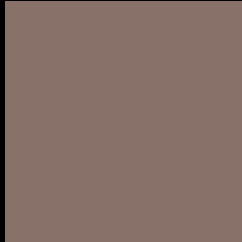
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3955, 17.9606, 15.5939 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

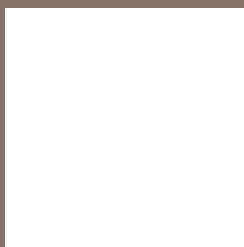
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3955, 17.9606, 15.5939

Background



This preview shows how black text looks on a background with the XYZ color 18.3955, 17.9606, 15.5939.

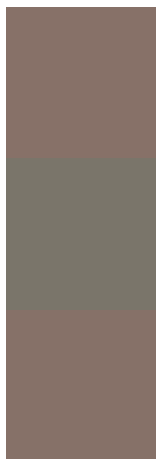


This preview shows how white text looks on a background with the XYZ color 18.3955, 17.9606,

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

18.3955, 17.9606, 15.5939

Protanopia

16.9888, 17.9008, 16.1955

Deuteranopia

18.2353, 17.8781, 15.5864



Tritanopia

19.3307, 18.0192, 19.9120

Trichromacy



Original Color

18.3955, 17.9606, 15.5939

Protanomaly

17.5476, 18.0227, 15.9185

Deuteranomaly

18.2353, 17.8781, 15.5864

Tritanomaly

18.9848, 18.0375, 18.4006

Monochromacy



Original Color

18.3955, 17.9606, 15.5939

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8560, 18.2975, 18.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3955, 17.9606, 15.5939 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(135, 113, 104)` looks like.

```
.text, #text, p{  
    color:rgb(135, 113, 104)  
}
```

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(135, 113, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 113, 104) }
```

Border

The CSS property to change the border of an element to XYZ 18.3955, 17.9606, 15.5939 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(135, 113, 104) }
```


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

```
.border{ border-color:rgb(135, 113, 104) }
```

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

Here you see how a box with a 4 pixel rgb(135, 113, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 113, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 113, 104);  
box-shadow:4px 4px 4px 4px rgb(135, 113,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3955, 17.9606, 15.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 113, 104) }
```

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

```
.background{ background-color: rgb(135,  
113, 104) }
```

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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