

Converting Colors

XYZ(17.7958, 17.7158, 23.6186)

Have a look what the booklet for
XYZ(17.7958, 17.7158, 23.6186)
contains.

XYZ(17.7923, 17.6394, 23.5861)	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(17.7923, 17.6394,
23.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	787282
RGB	120, 114, 130
RGB Percent	47%, 45%, 51%
CMY	0.5294, 0.5529, 0.4902
CMYK	0.08, 0.12, 0.00, 0.49
HSL	262°, 7%, 48%
HSV	262°, 12%, 51%
XYZ	17.7923, 17.6394, 23.5861
YIQ	117.6180, -1.5600, 6.2480

Conversions

Conversions Part 2

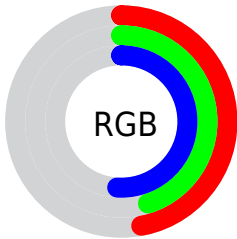
Format	Color
R_{YB}	120, 114, 130
Decimal	7893634
CIE Lab	49.06, 5.61, -7.95
CIE LCh	49, 9.730, 305.213
Yxy	17.6394, 0.3015, 0.2989
Android (android.graphics.Color)	4286083714 (0xFF787282)
YUV	117.6180, 6.1043, 2.0890
Hunter-Lab	41.9993, 2.1198, -3.8968

Details

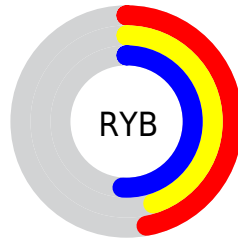
The XYZ color **17.7923, 17.6394, 23.5861** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3327, 21.4657, 19.0448**, and the grayscale version is **17.0829, 17.9725, 19.5721**.

A 20% lighter version of the original color is **39.1967, 39.4620, 50.3508**, and **6.0320, 5.8301, 8.5920** is the 20% darker color. If you saturate the color by 10%, you get **15.3495, 14.3562, 23.0814**, and if you desaturate by 10%, it is **20.5403, 21.3903, 24.1655**.

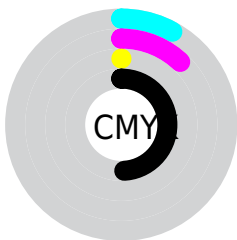
Distribution



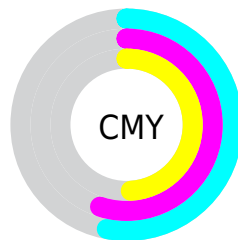
- Red (47%)
- Green (45%)
- Blue (51%)



- Red (47%)
- Yellow (45%)
- Blue (51%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (49%)



- Cyan (53%)
- Magenta (55%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7923, 17.6394, 23.5861 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 17.7923, 17.6394, 23.5861 by changing the saturation by 10% instead.

■ 17.7923, 17.6394,
23.5861

■ 17.7923, 17.6394,
23.5861

232.7660,
238.8306, 283.9401

■ 10.8998, 10.6914,
14.8175

■ 39.2160, 39.4219,
50.2893

■ 6.0663, 5.8597,
8.5462

■ 54.4778, 55.0252,
69.0609

■ 2.9265, 2.7600,
4.3537

■ 73.2601, 74.2824,
92.0040

■ 1.1150, 1.0077,
1.8213

■ 95.9282, 97.5779,
119.5371

■ 0.0376, 0.0000,
0.4419

122.8475,
125.2961, 152.0787

■ 0.0000, 0.0000,
0.0000

154.3833,

157.8213, 190.0474

190.9010,
195.5380, 233.8617

■ 17.7923, 17.6394,
23.5861

■ 17.7923, 17.6394,
23.5861

■ 15.3495, 14.3562,
23.0814

■ 20.5403, 21.3903,
24.1655

■ 13.1991, 11.5197,
22.6472

■ 23.6023, 25.6242,
24.8214

■ 11.3299, 9.1106,
22.2808

■ 26.9890, 30.3587,
25.5567

■ 9.7291, 7.1075,
21.9785

■ 30.7097, 35.6096,
26.3741

■ 8.3832, 5.4868,
21.7366

■ 34.7737, 41.3920,
27.2761

7.2768, 4.2225,
21.5509

39.1897, 47.7206,
28.2649

6.3933, 3.2853,
21.4165

43.9662, 54.6094,
29.3428

5.7131, 2.6409,
21.3280

49.1113, 62.0717,
30.5120

5.2835, 2.2583,
21.2768

54.6329, 70.1207,
31.7746

Harmonies

Analogous

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



16.9248, 17.6394, 24.6261



17.7923, 17.6394, 23.5861



18.4006, 17.6394, 21.3789

Triad

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



17.7923, 17.6394, 23.5861



17.5081, 17.6394, 15.0166



15.0871, 17.6394, 19.6640

Complementary

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



17.7923, 17.6394, 23.5861



19.3327, 21.4657, 19.0448

Split Complementary

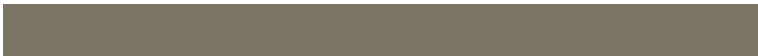
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.2307, 17.6394, 17.1861



17.7923, 17.6394, 23.5861



16.6077, 17.6394, 14.6465

Square

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



17.7923, 17.6394, 23.5861



18.2324, 17.6394, 16.4661



15.7794, 17.6394, 15.4053



15.3799, 17.6394, 22.2349

Rectangle

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



17.7923, 17.6394, 23.5861



18.5657, 17.6394, 19.6264



15.7794, 17.6394, 15.4053



15.0860, 17.6394, 18.7922

Sweetspot

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



17.7928, 17.6401, 23.5865



35.2691, 36.4294, 42.3652



18.1937, 19.6385, 23.9511



7.9086, 8.1437, 9.5734



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.7928, 17.6401, 23.5865



29.9731, 29.2255, 41.2538



18.9292, 18.2260, 23.6397



4.2494, 4.2842, 5.4162



5.0731, 2.1690, 20.4012



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.8619, 18.2365, 21.5955



32.2868, 30.5167, 36.9144



18.2407, 20.9028, 18.9937



4.4319, 4.3859, 5.0788



10.2638, 5.1252, 7.9790



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7923, 17.6394, 23.5861 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 17.7923, 17.6394, 23.5861 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 17.7923, 17.6394, 23.5861

Background



This preview shows how black text looks on a background with the XYZ color 17.7923, 17.6394, 23.5861.



This preview shows how white text looks on a background with the XYZ color 17.7923, 17.6394,

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

17.7923, 17.6394, 23.5861

Protanopia

17.2816, 17.7069, 23.9797

Deuteranopia

17.9604, 17.5595, 23.5618



Tritanopia

17.3766, 17.6386, 21.5575

Trichromacy



Original Color

17.7923, 17.6394, 23.5861

Protanomaly

17.4299, 17.6132, 23.9538

Deuteranomaly

17.8195, 17.4869, 23.5552

Tritanomaly

17.5044, 17.6898, 22.2305

Monochromacy



Original Color

17.7923, 17.6394, 23.5861

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.4819, 18.0497, 20.9749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7923, 17.6394, 23.5861 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(120, 114, 130)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 130)  
}
```

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(120, 114, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 130) }
```

Border

The CSS property to change the border of an element to XYZ 17.7923, 17.6394, 23.5861 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(120, 114, 130) }
```


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

```
.border{ border-color:rgb(120, 114, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 130);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7923, 17.6394, 23.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 130) }
```

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

```
.background{ background-color: rgb(120,  
114, 130) }
```

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