

Converting Colors

XYZ(15.7802, 20.5810, 22.2009)

Have a look what the booklet for
XYZ(15.7802, 20.5810, 22.2009)
contains.

XYZ(15.7817, 20.5770, 22.2088)	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(15.7817, 20.5770,
22.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	52877C
RGB	82, 135, 124
RGB Percent	32%, 53%, 49%
CMY	0.6784, 0.4706, 0.5137
CMYK	0.39, 0.00, 0.08, 0.47
HSL	168°, 24%, 43%
HSV	168°, 39%, 53%
XYZ	15.7817, 20.5770, 22.2088
YIQ	117.8990, -28.0570, -14.6570

Conversions

Conversions Part 2

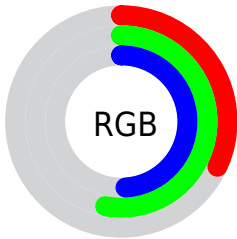
Format	Color
RYB	82, 112, 135
Decimal	5408636
CIELab	52.48, -20.37, 0.35
CIElCh	52, 20.374, 179.029
Yxy	20.5770, 0.2695, 0.3513
Android (android.graphics.Color)	4283598716 (0xFF52877C)
YUV	117.8990, 3.0078, -31.4834
Hunter-Lab	45.3619, -17.2819, 2.7254

Details

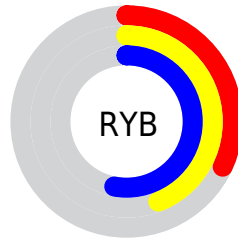
The XYZ color **15.7817, 20.5770, 22.2088** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.9854, 11.9763, 11.8784**, and the grayscale version is **17.1859, 18.0809, 19.6901**.

A 20% lighter version of the original color is **35.6512, 44.1694, 47.7208**, and **5.0836, 7.2963, 7.7970** is the 20% darker color. If you saturate the color by 10%, you get **14.5467, 19.9611, 21.2394**, and if you desaturate by 10%, it is **17.2539, 21.3157, 23.2165**.

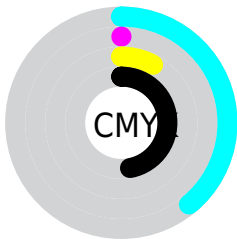
Distribution



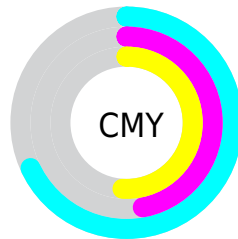
- Red (32%)
- Green (53%)
- Blue (49%)



- Red (32%)
- Yellow (44%)
- Blue (53%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



- Cyan (68%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7817, 20.5770, 22.2088 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 15.7817, 20.5770, 22.2088 by changing the saturation by 10% instead.

■ 15.7817, 20.5770,
22.2088

■ 15.7817, 20.5770,
22.2088

221.3459,
255.0219, 276.6237

■ 9.4597, 12.8152,
13.8106

■ 35.7793, 44.3825,
47.9975

■ 5.1017, 7.3014,
7.8518

■ 50.1856, 61.1949,
66.2250

■ 2.3424, 3.6513,
3.9139

■ 68.0174, 81.7930,
88.5661

■ 0.8162, 1.4805,
1.5782

■ 89.6400, 106.5611,
115.4393

■ 0.0000, 0.2749,
0.2752

■ 115.4188,
135.8836, 147.2631

■ 0.0000, 0.0000,
0.0000

145.7192,

170.1450, 184.4561

180.9064,
209.7296, 227.4368

■ 15.7817, 20.5770,
22.2088

■ 15.7817, 20.5770,
22.2088

■ 14.5467, 19.9611,
21.2394

■ 17.2539, 21.3157,
23.2165

■ 13.5336, 19.4584,
20.3059

■ 18.9741, 22.1811,
24.2619

■ 12.7277, 19.0620,
19.4081

■ 20.9545, 23.1801,
25.3462

■ 12.1122, 18.7631,
18.5448

■ 23.2060, 24.3183,
26.4701

■ 11.6672, 18.5516,
17.7149

■ 25.7390, 25.6009,
27.6343

■ 11.3406, 18.4006,
16.9157

■ 28.5631, 27.0331,
28.8395

■ 11.3171, 18.3898,
16.8576

■ 31.6876, 28.6194,
30.0862

■ 35.1214, 30.3646,
31.3752

■ 38.8728, 32.2730,
32.7070

Harmonies

Analogous

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



16.2869, 20.5770, 16.9507



15.7817, 20.5770, 22.2088



16.2262, 20.5770, 28.5171

Triad

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



15.7817, 20.5770, 22.2088



21.5895, 20.5770, 34.1529



21.7167, 20.5770, 13.8591

Complementary

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



15.7817, 20.5770, 22.2088



14.9854, 11.9763, 11.8784

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.



23.3168, 20.5770, 17.2350



15.7817, 20.5770, 22.2088



23.2397, 20.5770, 28.9190

Square

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



15.7817, 20.5770, 22.2088



19.4892, 20.5770, 36.1170



23.8928, 20.5770, 22.6021



19.6266, 20.5770, 12.6941

Rectangle

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



15.7817, 20.5770, 22.2088



17.0209, 20.5770, 32.3523



23.8928, 20.5770, 22.6021



22.3351, 20.5770, 14.7392

Sweetspot

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



15.7823, 20.5778, 22.2093



36.4065, 40.9454, 44.7967



14.7508, 20.2904, 11.1219



8.3403, 9.4366, 10.3253



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.



15.7823, 20.5778, 22.2093



26.2948, 35.8672, 38.2402



14.5679, 16.9727, 25.4309



4.7613, 5.2628, 5.7543



10.4403, 16.9590, 15.5698



0.0387, 0.0598, 0.0675

Inverse Universe

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



14.9854, 11.9763, 11.8784



24.6672, 18.2325, 17.0908



15.7915, 14.3131, 9.9133



4.7092, 4.7034, 5.0810



9.4114, 4.8289, 1.4726



0.0348, 0.0176, 0.0168

Previews

White Background



This preview shows how the XYZ color 15.7817, 20.5770, 22.2088 looks on a white 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

Black Background



This preview shows how the XYZ color 15.7817, 20.5770, 22.2088 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

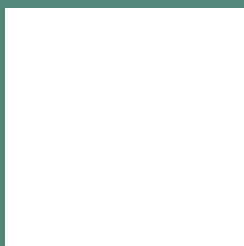
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7817, 20.5770, 22.2088

Background



This preview shows how black text looks on a background with the XYZ color 15.7817, 20.5770, 22.2088.

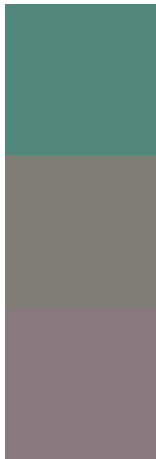


This preview shows how white text looks on a background with the XYZ color 15.7817, 20.5770,

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

15.7817, 20.5770, 22.2088

Protanopia

19.3798, 20.3125, 20.0388

Deuteranopia

20.8215, 20.4413, 22.9268



Tritanopia

17.1397, 20.5119, 29.0424

Trichromacy



Original Color

15.7817, 20.5770, 22.2088

Protanomaly

17.6649, 20.1739, 20.7322

Deuteranomaly

18.4292, 20.1411, 22.6550

Tritanomaly

16.5778, 20.4839, 26.3726

Monochromacy



Original Color

15.7817, 20.5770, 22.2088

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4235, 18.7746, 20.5276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7817, 20.5770, 22.2088 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(82, 135, 124)` looks like.

```
.text, #text, p{  
    color:rgb(82, 135, 124)  
}
```

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(82, 135, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 135, 124) }
```

Border

The CSS property to change the border of an element to XYZ 15.7817, 20.5770, 22.2088 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(82, 135, 124) }
```


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

```
.border{ border-color:rgb(82, 135, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 135, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 135, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 135, 124);  
box-shadow:4px 4px 4px 4px rgb(82, 135,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7817, 20.5770, 22.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 135, 124) }
```

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

```
.background{ background-color: rgb(82, 135,  
124) }
```

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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