

Converting Colors

XYZ(17.7670, 22.8256, 20.4076)

Have a look what the booklet for
XYZ(17.7670, 22.8256, 20.4076)
contains.

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Color

**XYZ(17.7728, 22.9308,
20.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	628D75
RGB	98, 141, 117
RGB Percent	38%, 55%, 46%
CMY	0.6157, 0.4470, 0.5412
CMYK	0.30, 0.00, 0.17, 0.45
HSL	147°, 18%, 47%
HSV	147°, 30%, 55%
XYZ	17.7728, 22.9308, 20.3190
YIQ	125.4070, -17.9240, -16.5800

Conversions

Conversions Part 2

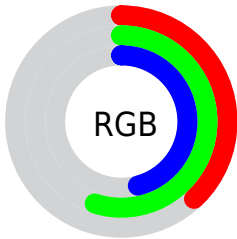
Format	Color
R_{YB}	98, 128, 141
Decimal	6458741
CIE _{Lab}	55.00, -20.12, 8.12
CIE _{LCh}	55, 21.699, 158.010
Yxy	22.9308, 0.2912, 0.3758
Android (android.graphics.Color)	4284648821 (0xFF628D75)
YUV	125.4070, -4.1447, -24.0359
Hunter-Lab	47.8861, -17.5509, 8.3624

Details

The XYZ color **17.7728, 22.9308, 20.3190** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.8659, 15.8038, 20.4695**, and the grayscale version is **19.6487, 20.6719, 22.5117**.

A 20% lighter version of the original color is **39.2542, 48.3788, 44.8052**, and **6.0819, 8.5648, 6.9628** is the 20% darker color. If you saturate the color by 10%, you get **15.9400, 22.0378, 17.9186**, and if you desaturate by 10%, it is **19.9138, 23.9794, 22.9379**.

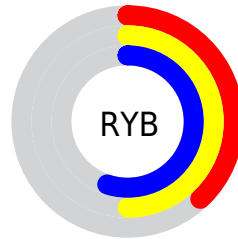
Distribution



Red (38%)

Green (55%)

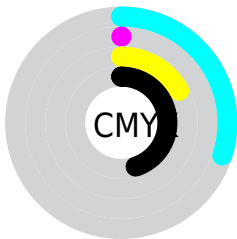
Blue (46%)



Red (38%)

Yellow (50%)

Blue (55%)

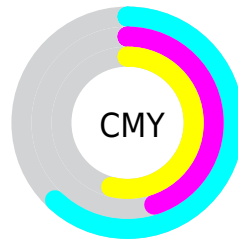


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (45%)



Cyan (62%)

Magenta (45%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7728, 22.9308, 20.3190 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 17.7728, 22.9308, 20.3190 by changing the saturation by 10% instead.

■ 17.7728, 22.9308,
20.3190

■ 17.7728, 22.9308,
20.3190

232.6577,
267.3694, 266.2980

■ 10.8857, 14.5424,
12.4408

■ 39.1829, 48.2797,
44.8173

■ 6.0567, 8.4989,
6.9184

■ 54.4367, 66.0090,
62.2745

■ 2.9206, 4.4158,
3.3335

■ 73.2100, 87.6207,
83.7618

■ 1.1119, 1.9088,
1.2673

■ 95.8682, 113.4992,
109.6977

■ 0.0351, 0.5536,
0.0348

122.7768,
144.0289, 140.5007

■ 0.0000, 0.0000,
0.0000

154.3010,

179.5943, 176.5894

190.8062,
220.5796, 218.3823

■ 17.7728, 22.9308,
20.3190

■ 17.7728, 22.9308,
20.3190

■ 15.9400, 22.0378,
17.9186

■ 19.9138, 23.9794,
22.9379

■ 14.3985, 21.2900,
15.7295

■ 22.3751, 25.1879,
25.7793

■ 13.1326, 20.6800,
13.7463

■ 25.1704, 26.5639,
28.8489

■ 12.1243, 20.1986,
11.9628

■ 28.3120, 28.1136,
32.1517

■ 11.3533, 19.8356,
10.3724

■ 31.8117, 29.8430,
35.6928

■ 10.7958, 19.5787,
8.9681

■ 35.6805, 31.7577,
39.4767

■ 10.4031, 19.4017,
7.7974

■ 39.9290, 33.8631,
43.5082

■ 44.5675, 36.1643,
47.7917

■ 49.6059, 38.6664,
52.3316

Harmonies

Analogous

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



19.0631, 22.9308, 15.8998



17.7728, 22.9308, 20.3190



17.5191, 22.9308, 26.8640

Triad

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



17.7728, 22.9308, 20.3190



22.4475, 22.9308, 40.5578



25.6555, 22.9308, 17.6517

Complementary

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



17.7728, 22.9308, 20.3190



18.8659, 15.8038, 20.4695

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.



26.7156, 22.9308, 23.1629



17.7728, 22.9308, 20.3190



24.7763, 22.9308, 36.9576

Square

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



17.7728, 22.9308, 20.3190



20.1048, 22.9308, 39.4130



26.3825, 22.9308, 30.2764



23.5774, 22.9308, 14.5693

Rectangle

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



17.7728, 22.9308, 20.3190



17.9530, 22.9308, 31.7364



26.3825, 22.9308, 30.2764



26.1495, 22.9308, 19.2372

Sweetspot

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



17.7734, 22.9318, 20.3195



40.6867, 45.4095, 46.8578



19.8084, 24.0970, 15.1628



8.9500, 10.0747, 10.3116



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.7734, 22.9318, 20.3195



29.3796, 39.8708, 33.2124



19.1598, 23.4863, 27.6200



5.4357, 6.0665, 6.2601



9.4930, 17.6931, 7.1503



0.1016, 0.1735, 0.1252

Inverse Universe

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



18.8659, 15.8038, 20.4695



31.6769, 24.8747, 33.5226



17.6953, 15.3356, 14.3055



5.5270, 5.4713, 6.2729



11.3008, 5.6773, 7.2352



0.1192, 0.0587, 0.1277

Previews

White Background



This preview shows how the XYZ color 17.7728, 22.9308, 20.3190 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 17.7728, 22.9308, 20.3190 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 17.7728, 22.9308, 20.3190

Background



This preview shows how black text looks on a background with the XYZ color 17.7728, 22.9308, 20.3190.



This preview shows how white text looks on a background with the XYZ color 17.7728, 22.9308,

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

17.7728, 22.9308, 20.3190

Protanopia

21.5222, 22.8057, 18.5968

Deuteranopia

23.1923, 22.8307, 20.9537



Tritanopia

19.9999, 22.9725, 31.3970

Trichromacy



Original Color

17.7728, 22.9308, 20.3190

Protanomaly

19.8696, 22.7538, 19.2643

Deuteranomaly

20.7870, 22.5803, 20.7156

Tritanomaly

19.0833, 22.8079, 27.0635

Monochromacy



Original Color

17.7728, 22.9308, 20.3190

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.6994, 21.2826, 21.5347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7728, 22.9308, 20.3190 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(98, 141, 117)` looks like.

```
.text, #text, p{  
    color:rgb(98, 141, 117)  
}
```

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(98, 141, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 141, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.7728, 22.9308, 20.3190 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(98, 141, 117) }
```


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

```
.border{ border-color:rgb(98, 141, 117) }
```

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

Here you see how a box with a 4 pixel rgb(98, 141, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 141, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 141, 117);  
box-shadow:4px 4px 4px 4px rgb(98, 141,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7728, 22.9308, 20.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 141, 117) }
```

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

```
.background{ background-color: rgb(98, 141,  
117) }
```

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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