

Converting Colors

XYZ(17.8396, 18.2455, 22.8314)

Have a look what the booklet for
XYZ(17.8396, 18.2455, 22.8314)
contains.

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Color

**XYZ(17.8653, 18.2030,
22.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	777580
RGB	119, 117, 128
RGB Percent	47%, 46%, 50%
CMY	0.5333, 0.5412, 0.4980
CMYK	0.07, 0.09, 0.00, 0.50
HSL	251°, 4%, 48%
HSV	251°, 9%, 50%
XYZ	17.8653, 18.2030, 22.9940
YIQ	118.8520, -2.3390, 3.8450

Conversions

Conversions Part 2

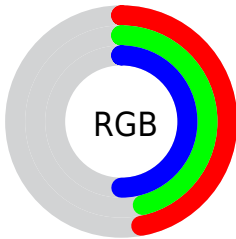
Format	Color
R _Y B	119, 117, 128
Decimal	7828864
CIE Lab	49.74, 3.05, -5.75
CIE LCh	50, 6.510, 297.895
Yxy	18.2030, 0.3025, 0.3082
Android (android.graphics.Color)	4286018944 (0xFF777580)
YUV	118.8520, 4.5100, 0.1298
Hunter-Lab	42.6650, 0.0804, -2.0885

Details

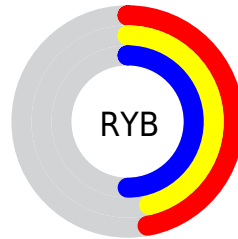
The XYZ color **17.8653, 18.2030, 22.9940** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5349, 21.1588, 19.8849**, and the grayscale version is **17.4749, 18.3850, 20.0213**.

A 20% lighter version of the original color is **39.3230, 40.3701, 49.4357**, and **6.1379, 6.1603, 8.2627** is the 20% darker color. If you saturate the color by 10%, you get **15.1157, 14.7213, 22.4672**, and if you desaturate by 10%, it is **20.9784, 22.1759, 23.5970**.

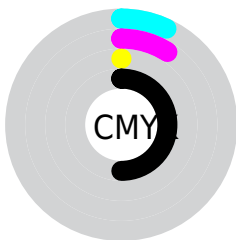
Distribution



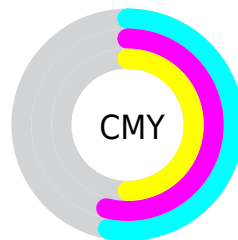
- Red (47%)
- Green (46%)
- Blue (50%)



- Red (47%)
- Yellow (46%)
- Blue (50%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8653, 18.2030, 22.9940 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 17.8653, 18.2030, 22.9940 by changing the saturation by 10% instead.

■ 17.8653, 18.2030,
22.9940

■ 17.8653, 18.2030,
22.9940

233.1710,
242.0128, 280.8151

■ 10.9524, 11.0958,
14.3838

■ 39.3396, 40.3829,
49.3065

■ 6.1019, 6.1313,
8.2463

■ 54.6316, 56.2245,
67.8460

■ 2.9484, 2.9251,
4.1629

■ 73.4475, 75.7463,
90.5323

■ 1.1265, 1.0928,
1.7151

96.1525, 99.3327,
117.7839

■ 0.0471, 0.0000,
0.3711

123.1120,
127.3682, 150.0195

■ 0.0000, 0.0000,
0.0000

154.6914,

160.2371, 187.6575

191.2559,
198.3238, 231.1165

■ 17.8653, 18.2030,
22.9940

■ 17.8653, 18.2030,
22.9940

■ 15.1157, 14.7213,
22.4672

■ 20.9784, 22.1759,
23.5970

■ 12.7146, 11.7093,
22.0123

■ 24.4661, 26.6555,
24.2779

■ 10.6484, 9.1475,
21.6268

■ 28.3408, 31.6600,
25.0396

■ 8.9019, 7.0140,
21.3070

■ 32.6141, 37.2054,
25.8848

■ 7.4589, 5.2852,
21.0494

■ 37.2969, 43.3075,
26.8158

■ 6.3015, 3.9350,
20.8498

■ 42.3998, 49.9811,
27.8350

■ 5.4099, 2.9344,
20.7036

■ 47.9331, 57.2408,
28.9446

■ 4.7617, 2.2500,
20.6057

■ 53.9065, 65.1003,
30.1468

■ 4.3102, 1.8009,
20.5428

■ 60.3295, 73.5731,
31.4437

Harmonies

Analogous

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



17.2576, 18.2030, 23.4323



17.8653, 18.2030, 22.9940



18.3313, 18.2030, 21.6909

Triad

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



17.8653, 18.2030, 22.9940



17.9429, 18.2030, 17.0656



16.1369, 18.2030, 19.6948

Complementary

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



17.8653, 18.2030, 22.9940



19.5349, 21.1588, 19.8849

Split Complementary

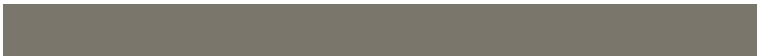
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.3109, 18.2030, 18.0598



17.8653, 18.2030, 22.9940



17.3452, 18.2030, 16.5994

Square

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



17.8653, 18.2030, 22.9940



18.3768, 18.2030, 18.2648



16.7495, 18.2030, 16.9524



16.2688, 18.2030, 21.4610

Rectangle

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



17.8653, 18.2030, 22.9940



18.4937, 18.2030, 20.5448



16.7495, 18.2030, 16.9524



16.1615, 18.2030, 19.1124

Sweetspot

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



17.8658, 18.2038, 22.9944



34.4016, 35.8041, 41.0540



18.7152, 20.3053, 23.3553



7.9599, 8.2621, 9.5936



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.



17.8658, 18.2038, 22.9944



30.6190, 30.9877, 40.3237



18.6186, 18.5918, 23.0296



4.1761, 4.2464, 5.4128



4.2206, 1.7295, 20.3613



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.0299, 18.8189, 22.3690



33.0361, 32.2653, 39.0143



18.7691, 20.7640, 19.8491



4.4657, 4.3994, 5.2568



11.3428, 5.5568, 13.6608



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.8653, 18.2030, 22.9940 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 17.8653, 18.2030, 22.9940 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

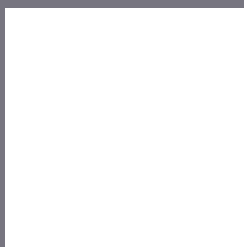
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8653, 18.2030, 22.9940

Background



This preview shows how black text looks on a background with the XYZ color 17.8653, 18.2030, 22.9940.



This preview shows how white text looks on a background with the XYZ color 17.8653, 18.2030,

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

17.8653, 18.2030, 22.9940

Protanopia

17.5937, 18.0630, 22.9813

Deuteranopia

18.4845, 18.1800, 22.9569



Tritanopia

17.7998, 18.1768, 22.6490

Trichromacy



Original Color

17.8653, 18.2030, 22.9940

Protanomaly

17.7288, 18.1326, 22.9876

Deuteranomaly

18.3101, 18.2602, 22.9816

Tritanomaly

17.7998, 18.1768, 22.6490

Monochromacy



Original Color

17.8653, 18.2030, 22.9940

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5990, 18.2839, 21.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8653, 18.2030, 22.9940 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(119, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(119, 117, 128)  
}
```

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(119, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.8653, 18.2030, 22.9940 is called "border". The border property can be set on classes, ids or directly on the HTML element.

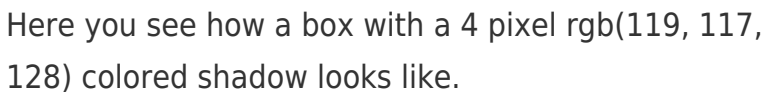
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 117, 128) }
```


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

```
.border{ border-color:rgb(119, 117, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 117, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 117, 128); box-shadow:4px 4px 4px 4px rgb(119, 117, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8653, 18.2030, 22.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 117, 128) }
```

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

```
.background{ background-color: rgb(119,  
117, 128) }
```

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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