

Converting Colors

XYZ(17.7039, 18.1756, 22.8251)

Have a look what the booklet for
XYZ(17.7039, 18.1756, 22.8251)
contains.

XYZ(17.7288, 18.1326, 22.9876)	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(17.7288, 18.1326,
22.9876)**

Conversions

Conversions Part 1

Format	Color
Hex	767580
RGB	118, 117, 128
RGB Percent	46%, 46%, 50%
CMY	0.5372, 0.5412, 0.4980
CMYK	0.08, 0.09, 0.00, 0.50
HSL	245°, 4%, 48%
HSV	245°, 9%, 50%
XYZ	17.7288, 18.1326, 22.9876
YIQ	118.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

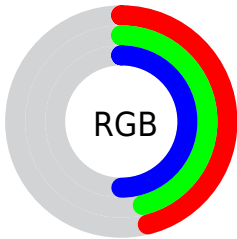
Format	Color
R_{YB}	118, 117, 128
Decimal	7763328
CIE _{Lab}	49.66, 2.68, -5.89
CIE _{LCh}	50, 6.470, 294.471
Yxy	18.1326, 0.3013, 0.3081
Android (android.graphics.Color)	4285953408 (0xFF767580)
YUV	118.5530, 4.6574, -0.4850
Hunter-Lab	42.5824, -0.2023, -2.1993

Details

The XYZ color **17.7288, 18.1326, 22.9876** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.6830, 21.2351, 19.8918**, and the grayscale version is **17.3804, 18.2855, 19.9129**.

A 20% lighter version of the original color is **39.1060, 40.2582, 49.4256**, and **6.0652, 6.1228, 8.2593** is the 20% darker color. If you saturate the color by 10%, you get **14.8543, 14.5865, 22.4549**, and if you desaturate by 10%, it is **21.0034, 22.1887, 23.5982**.

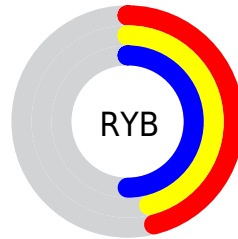
Distribution



Red (46%)

Green (46%)

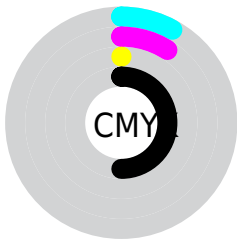
Blue (50%)



Red (46%)

Yellow (46%)

Blue (50%)

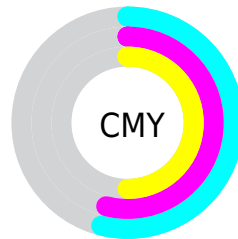


Cyan (8%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (54%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7288, 18.1326, 22.9876 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 17.7288, 18.1326, 22.9876 by changing the saturation by 10% instead.

■ 17.7288, 18.1326,
22.9876

■ 17.7288, 18.1326,
22.9876

232.4132,
241.6174, 280.7812

■ 10.8540, 11.0452,
14.3791

■ 39.1084, 40.2631,
49.2959

■ 6.0353, 6.0973,
8.2431

■ 54.3438, 56.0751,
67.8328

■ 2.9074, 2.9043,
4.1609

■ 73.0969, 75.5641,
90.5163

■ 1.1050, 1.0820,
1.7140

95.7328, 99.1144,
117.7649

■ 0.0293, 0.0000,
0.3703

122.6171,
127.1105, 149.9971

■ 0.0000, 0.0000,
0.0000

154.1150,

159.9368, 187.6316

190.5919,
197.9776, 231.0867

■ 17.7288, 18.1326,
22.9876

■ 17.7288, 18.1326,
22.9876

■ 14.8543, 14.5865,
22.4549

■ 21.0034, 22.1887,
23.5982

■ 12.3628, 11.5280,
21.9959

■ 24.6909, 26.7714,
24.2884

■ 10.2388, 8.9363,
21.6076

■ 28.8055, 31.8995,
25.0613

■ 8.4648, 6.7886,
21.2865

■ 33.3604, 37.5901,
25.9197

■ 7.0218, 5.0598,
21.0289

■ 38.3681, 43.8597,
26.8659

■ 5.8892, 3.7224,
20.8305

■ 43.8407, 50.7239,
27.9024

■ 5.0440, 2.7458,
20.6865

■ 49.7897, 58.1979,
29.0315

■ 4.4601, 2.0945,
20.5915

■ 56.2264, 66.2962,
30.2553

■ 4.0858, 1.6852,
20.5323

■ 63.1614, 75.0329,
31.5762

Harmonies

Analogous

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



17.1209, 18.1326, 23.3082



17.7288, 18.1326, 22.9876



18.2145, 18.1326, 21.7766

Triad

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



17.7288, 18.1326, 22.9876



17.9306, 18.1326, 17.1144



16.0845, 18.1326, 19.4190

Complementary

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



17.7288, 18.1326, 22.9876



19.6830, 21.2351, 19.8918

Split Complementary

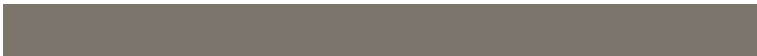
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.2903, 18.1326, 17.8407



17.7288, 18.1326, 22.9876



17.3486, 18.1326, 16.5618

Square

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



17.7288, 18.1326, 22.9876



18.3329, 18.1326, 18.3739



16.7495, 18.1326, 16.8196



16.1809, 18.1326, 21.1791

Rectangle

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



17.7288, 18.1326, 22.9876



18.3987, 18.1326, 20.6636



16.7495, 18.1326, 16.8196



16.1205, 18.1326, 18.8508

Sweetspot

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



17.7293, 18.1334, 22.9880



34.3102, 35.7569, 41.0497



18.8331, 20.5411, 23.3946



7.9336, 8.2485, 9.5923



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.



17.7293, 18.1334, 22.9880



30.3384, 30.8431, 40.3106



18.4863, 18.5236, 23.0234



4.1423, 4.2290, 5.4112



4.0093, 1.6205, 20.3514



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.0947, 18.8448, 22.7103



33.1716, 32.3195, 39.7279



18.8977, 20.8303, 19.8551



4.4819, 4.4059, 5.3419



11.9748, 5.8096, 16.9890



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7288, 18.1326, 22.9876 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 17.7288, 18.1326, 22.9876 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 17.7288, 18.1326, 22.9876

Background



This preview shows how black text looks on a background with the XYZ color 17.7288, 18.1326, 22.9876.



This preview shows how white text looks on a background with the XYZ color 17.7288, 18.1326,

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

17.7288, 18.1326, 22.9876

Protanopia

17.5937, 18.0630, 22.9813

Deuteranopia

18.4845, 18.1800, 22.9569



Tritanopia

17.6633, 18.1064, 22.6426

Trichromacy



Original Color

17.7288, 18.1326, 22.9876

Protanomaly

17.5937, 18.0630, 22.9813

Deuteranomaly

18.1677, 18.1869, 22.9750

Tritanomaly

17.6633, 18.1064, 22.6426

Monochromacy



Original Color

17.7288, 18.1326, 22.9876

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 17.7288, 18.1326, 22.9876 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(118, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.7288, 18.1326, 22.9876 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(118, 117, 128) }
```


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

```
.border{ border-color:rgb(118, 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(118, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(118, 117,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7288, 18.1326, 22.9876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 117, 128) }
```

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

```
.background{ background-color: rgb(118,  
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](#).

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