

Converting Colors

XYZ(18.5569, 18.1788, 22.7808)

Have a look what the booklet for
XYZ(18.5569, 18.1788, 22.7808)
contains.

XYZ(18.6312, 18.2556, 22.9638)	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(18.6312, 18.2556,
22.9638)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7380
RGB	126, 115, 128
RGB Percent	49%, 45%, 50%
CMY	0.5059, 0.5490, 0.4980
CMYK	0.02, 0.10, 0.00, 0.50
HSL	291°, 5%, 48%
HSV	291°, 10%, 50%
XYZ	18.6312, 18.2556, 22.9638
YIQ	119.7710, 2.3830, 6.3750

Conversions

Conversions Part 2

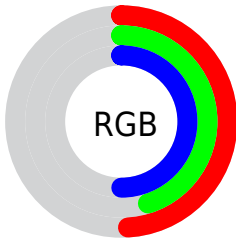
Format	Color
R_{YB}	126, 115, 128
Decimal	8287104
CIE _{Lab}	49.80, 6.81, -5.59
CIE _{LCh}	50, 8.811, 320.602
Yxy	18.2556, 0.3113, 0.3050
Android (android.graphics.Color)	4286477184 (0xFF7E7380)
YUV	119.7710, 4.0569, 5.4628
Hunter-Lab	42.7266, 3.0646, -1.9574

Details

The XYZ color **18.6312, 18.2556, 22.9638** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.1505, 20.4585, 19.2128**, and the grayscale version is **17.7669, 18.6921, 20.3557**.

A 20% lighter version of the original color is **40.7496, 40.5573, 49.3967**, and **6.4790, 6.1566, 8.2440** is the 20% darker color. If you saturate the color by 10%, you get **16.9844, 15.3886, 22.4975**, and if you desaturate by 10%, it is **20.4875, 21.5325, 23.4987**.

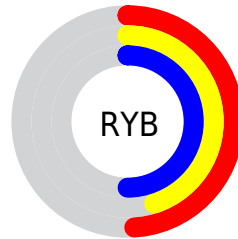
Distribution



Red (49%)

Green (45%)

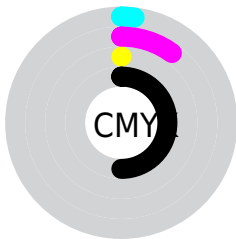
Blue (50%)



Red (49%)

Yellow (45%)

Blue (50%)

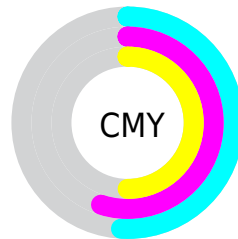


Cyan (2%)

Magenta (10%)

Yellow (0%)

Black (50%)



Cyan (51%)

Magenta (55%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6312, 18.2556, 22.9638 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 18.6312, 18.2556, 22.9638 by changing the saturation by 10% instead.

■ 18.6312, 18.2556,
22.9638

■ 18.6312, 18.2556,
22.9638

237.3825,
242.3078, 280.6549

■ 11.5065, 11.1337,
14.3617

■ 40.6317, 40.4724,
49.2563

■ 6.4784, 6.1568,
8.2311

■ 56.2382, 56.3360,
67.7839

■ 3.1815, 2.9407,
4.1533

■ 75.4027, 75.8823,
90.4570

■ 1.2505, 1.1008,
1.7098

■ 98.4906, 99.4957,
117.6942

■ 0.1457, 0.0000,
0.3674

125.8671,
127.5605, 149.9140

■ 0.0000, 0.0000,
0.0000

157.8977,

160.4612, 187.5351

194.9477,
198.5822, 230.9759

■ 18.6312, 18.2556,
22.9638

■ 18.6312, 18.2556,
22.9638

■ 16.9844, 15.3886,
22.4975

■ 20.4875, 21.5325,
23.4987

■ 15.5371, 12.9126,
22.0958

■ 22.5595, 25.2326,
24.1037

■ 14.2811, 10.8105,
21.7563

■ 24.8553, 29.3715,
24.7816

■ 13.2065, 9.0633,
21.4757

■ 27.3818, 33.9634,
25.5348

■ 12.3031, 7.6499,
21.2505

■ 30.1459, 39.0217,
26.3654

■ 11.5593, 6.5475,
21.0769

■ 33.1540, 44.5594,
27.2758

■ 10.9620, 5.7299,
20.9506

■ 36.4124, 50.5888,
28.2678

■ 10.4961, 5.1670,
20.8665

■ 39.9271, 57.1219,
29.3436

■ 10.1179, 4.7659,
20.8090

■ 43.7038, 64.1704,
30.5050

Harmonies

Analogous

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



17.9266, 18.2556, 24.5348



18.6312, 18.2556, 22.9638



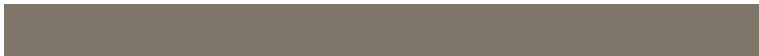
18.9961, 18.2556, 20.6430

Triad

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



18.6312, 18.2556, 22.9638



17.6168, 18.2556, 15.6495



15.8814, 18.2556, 21.5517

Complementary

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



18.6312, 18.2556, 22.9638



18.1505, 20.4585, 19.2128

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.



15.8045, 18.2556, 19.1306



18.6312, 18.2556, 22.9638



16.7886, 18.2556, 15.8499

Square

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



18.6312, 18.2556, 22.9638



18.3981, 18.2556, 16.5091



16.1316, 18.2556, 17.0805



16.3452, 18.2556, 23.6750

Rectangle

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



18.6312, 18.2556, 22.9638



18.9898, 18.2556, 19.0373



16.1316, 18.2556, 17.0805



15.8100, 18.2556, 20.7415

Sweetspot

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



18.6317, 18.2564, 22.9642



35.0799, 36.1538, 41.0857



17.3480, 17.9657, 22.9757



8.1558, 8.3631, 9.6027



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.



18.6317, 18.2564, 22.9642



32.1581, 31.0124, 40.2474



18.6504, 18.2983, 21.5079



4.4352, 4.3800, 5.4249



10.0334, 4.7261, 20.6334



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2444, 18.1358, 19.3695



31.3493, 30.7620, 32.6858



18.1399, 20.4236, 20.5447



4.3527, 4.3542, 4.6617



8.9499, 4.5997, 1.0602



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.6312, 18.2556, 22.9638 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 18.6312, 18.2556, 22.9638 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 18.6312, 18.2556, 22.9638

Background



This preview shows how black text looks on a background with the XYZ color 18.6312, 18.2556, 22.9638.



This preview shows how white text looks on a background with the XYZ color 18.6312, 18.2556,

22.9638.

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

18.6312, 18.2556, 22.9638

Protanopia

17.8438, 18.3505, 23.7206

Deuteranopia

18.6312, 18.2556, 22.9638



Tritanopia

18.4045, 18.3314, 21.9703

Trichromacy



Original Color

18.6312, 18.2556, 22.9638

Protanomaly

18.0695, 18.3006, 23.3489

Deuteranomaly

18.6312, 18.2556, 22.9638

Tritanomaly

18.4687, 18.3571, 22.3085

Monochromacy



Original Color

18.6312, 18.2556, 22.9638

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0796, 18.5245, 21.3616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6312, 18.2556, 22.9638 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(126, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(126, 115, 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(126, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 115, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.6312, 18.2556, 22.9638 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(126, 115, 128) }
```


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

```
.border{ border-color:rgb(126, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(126, 115,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6312, 18.2556, 22.9638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 115, 128) }
```

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

```
.background{ background-color: rgb(126,  
115, 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