

Converting Colors

XYZ(16.8079, 17.7071, 22.2774)

Have a look what the booklet for
XYZ(16.8079, 17.7071, 22.2774)
contains.

XYZ(16.8093, 17.6737, 22.2641)	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(16.8093, 17.6737,
22.2641)**

Conversions

Conversions Part 1

Format	Color
Hex	70757E
RGB	112, 117, 126
RGB Percent	44%, 46%, 49%
CMY	0.5608, 0.5412, 0.5059
CMYK	0.11, 0.07, 0.00, 0.51
HSL	219°, 6%, 47%
HSV	219°, 11%, 49%
XYZ	16.8093, 17.6737, 22.2641
YIQ	116.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

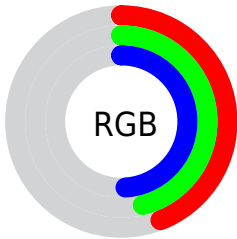
Format	Color
R_{YB}	112, 116, 126
Decimal	7370110
CIE Lab	49.10, 0.06, -5.59
CIE LCh	49, 5.590, 270.626
Yxy	17.6737, 0.2962, 0.3114
Android (android.graphics.Color)	4285560190 (0xFF70757E)
YUV	116.5310, 4.6682, -3.9737
Hunter-Lab	42.0401, -2.1988, -1.9714

Details

The XYZ color **16.8093, 17.6737, 22.2641** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3663, 19.2801, 18.0830**, and the grayscale version is **16.7514, 17.6238, 19.1923**.

A 20% lighter version of the original color is **37.6345, 39.5231, 48.2930**, and **5.5820, 5.8821, 7.8623** is the 20% darker color. If you saturate the color by 10%, you get **14.4139, 15.0985, 21.8936**, and if you desaturate by 10%, it is **19.5118, 20.5293, 22.6731**.

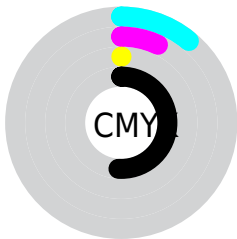
Distribution



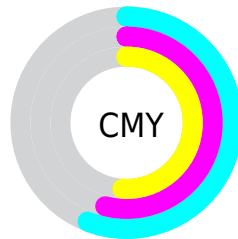
- Red (44%)
- Green (46%)
- Blue (49%)



- Red (44%)
- Yellow (45%)
- Blue (49%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (51%)



- Cyan (56%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8093, 17.6737, 22.2641 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 16.8093, 17.6737, 22.2641 by changing the saturation by 10% instead.

■ 16.8093, 17.6737,
22.2641

■ 16.8093, 17.6737,
22.2641

227.2488,
239.0254, 276.9207

■ 10.1931, 10.7160,
13.8509

■ 37.5438, 39.4805,
48.0899

■ 5.5904, 5.8762,
7.8795

■ 52.3928, 55.0984,
66.3396

■ 2.6359, 2.7699,
3.9313

■ 70.7168, 74.3718,
88.7052

■ 0.9643, 1.0128,
1.5877

■ 92.8811, 97.6851,
115.6052

■ 0.0000, 0.0000,
0.2820

119.2511,
125.4228, 147.4583

■ 0.0000, 0.0000,
0.0000

150.1921,

157.9691, 184.6828

186.0696,
195.7085, 227.6975

■ 16.8093, 17.6737,
22.2641

■ 16.8093, 17.6737,
22.2641

■ 14.4139, 15.0985,
21.8936

■ 19.5118, 20.5293,
22.6731

■ 12.3127, 12.7927,
21.5593

■ 22.5305, 23.6716,
23.1206

■ 10.4942, 10.7476,
21.2604

■ 25.8761, 27.1095,
23.6078

■ 8.9454, 8.9532,
20.9956

■ 29.5583, 30.8506,
24.1358

■ 7.6523, 7.3988,
20.7638

■ 33.5865, 34.9025,
24.7056

■ 6.5997, 6.0729,
20.5633

■ 37.9695, 39.2723,
25.3181

■ 5.7702, 4.9628,
20.3927

■ 42.7160, 43.9670,
25.9741

■ 5.1442, 4.0541,
20.2503

■ 47.8343, 48.9933,
26.6745

■ 4.7049, 3.3843,
20.1442

■ 53.3323, 54.3577,
27.4201

Harmonies

Analogous

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



16.3107, 17.6737, 21.8594



16.8093, 17.6737, 22.2641



17.3150, 17.6737, 21.8252

Triad

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



16.8093, 17.6737, 22.2641



17.6771, 17.6737, 17.8158



15.9386, 17.6737, 17.8676

Complementary

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



16.8093, 17.6737, 22.2641



18.3663, 19.2801, 18.0830

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.



16.2921, 17.6737, 16.8741



16.8093, 17.6737, 22.2641



17.2956, 17.6737, 16.8454

Square

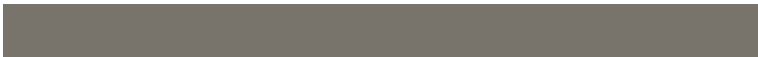
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.8093, 17.6737, 22.2641



17.8223, 17.6737, 19.2122



16.7873, 17.6737, 16.5095



15.8144, 17.6737, 19.2751

Rectangle

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



16.8093, 17.6737, 22.2641



17.5864, 17.6737, 21.1258



16.7873, 17.6737, 16.5095



16.0342, 17.6737, 17.4768

Sweetspot

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



16.8098, 17.6744, 22.2645



33.3693, 35.1115, 39.7628



17.5863, 19.7440, 20.9307



7.5096, 7.9017, 9.0325



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.8098, 17.6744, 22.2645



28.6182, 30.0746, 39.0410



16.4825, 16.6636, 22.0866



4.2248, 4.4437, 5.4483



4.8230, 3.4645, 20.6645



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6097, 17.3087, 19.2433



30.2858, 29.3369, 32.7367



18.7173, 20.3869, 18.2782



4.3863, 4.3677, 4.8388



9.3114, 4.7442, 2.9636



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8093, 17.6737, 22.2641 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 16.8093, 17.6737, 22.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

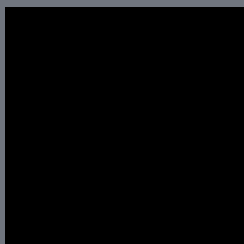
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

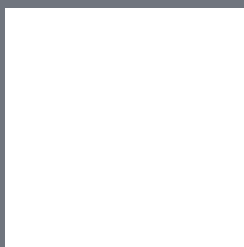
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8093, 17.6737, 22.2641

Background



This preview shows how black text looks on a background with the XYZ color 16.8093, 17.6737, 22.2641.



This preview shows how white text looks on a background with the XYZ color 16.8093, 17.6737,

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

16.8093, 17.6737, 22.2641

Protanopia

17.1495, 17.6845, 21.9116

Deuteranopia

17.9043, 17.5535, 22.5232



Tritanopia

16.8093, 17.6737, 22.2641

Trichromacy



Original Color

16.8093, 17.6737, 22.2641

Protanomaly

17.0173, 17.6163, 21.9054

Deuteranomaly

17.4558, 17.4889, 22.5343

Tritanomaly

16.8093, 17.6737, 22.2641

Monochromacy



Original Color

16.8093, 17.6737, 22.2641

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8217, 17.7235, 20.3037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8093, 17.6737, 22.2641 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(112, 117, 126)` looks like.

```
.text, #text, p{  
    color:rgb(112, 117, 126)  
}
```

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(112, 117, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 117, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.8093, 17.6737, 22.2641 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(112, 117, 126) }
```


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

```
.border{ border-color:rgb(112, 117, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 117, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 117, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 117, 126);  
box-shadow:4px 4px 4px 4px rgb(112, 117,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8093, 17.6737, 22.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 117, 126) }
```

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

```
.background{ background-color: rgb(112,  
117, 126) }
```

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