

Converting Colors

XYZ(16.7805, 18.1121, 22.3932)

Have a look what the booklet for
XYZ(16.7805, 18.1121, 22.3932)
contains.

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Color

**XYZ(16.7890, 18.1905,
22.3649)**

Conversions

Conversions Part 1

Format	Color
Hex	6D787E
RGB	109, 120, 126
RGB Percent	43%, 47%, 49%
CMY	0.5725, 0.5294, 0.5059
CMYK	0.13, 0.05, 0.00, 0.51
HSL	201°, 7%, 46%
HSV	201°, 13%, 49%
XYZ	16.7890, 18.1905, 22.3649
YIQ	117.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

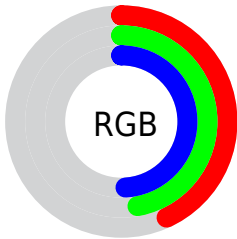
Format	Color
RYB	109, 116, 126
Decimal	7174270
CIELab	49.73, -2.76, -4.68
CIELCh	50, 5.436, 239.482
Yxy	18.1905, 0.2928, 0.3172
Android (android.graphics.Color)	4285364350 (0xFF6D787E)
YUV	117.3950, 4.2423, -7.3624
Hunter-Lab	42.6503, -4.3728, -1.2352

Details

The XYZ color **16.7890, 18.1905, 22.3649** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4953, 17.8010, 16.9821**, and the grayscale version is **17.0206, 17.9070, 19.5007**.

A 20% lighter version of the original color is **37.5871, 40.3368, 48.4525**, and **5.5814, 6.1627, 7.9165** is the 20% darker color. If you saturate the color by 10%, you get **14.8266, 16.4039, 22.1238**, and if you desaturate by 10%, it is **18.9996, 20.1428, 22.6255**.

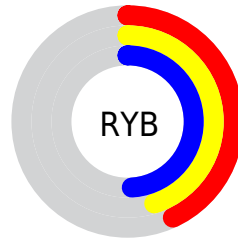
Distribution



Red (43%)

Green (47%)

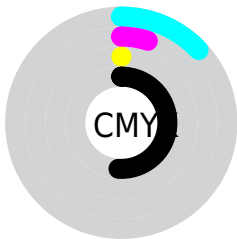
Blue (49%)



Red (43%)

Yellow (45%)

Blue (49%)

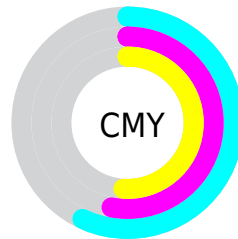


Cyan (13%)

Magenta (5%)

Yellow (0%)

Black (51%)



Cyan (57%)

Magenta (53%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7890, 18.1905, 22.3649 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 16.7890, 18.1905, 22.3649 by changing the saturation by 10% instead.

■ 16.7890, 18.1905,
22.3649

■ 16.7890, 18.1905,
22.3649

227.1335,
241.9426, 277.4614

■ 10.1785, 11.0868,
13.9244

■ 37.5091, 40.3617,
48.2583

■ 5.5807, 6.1253,
7.9299

■ 52.3495, 56.1980,
66.5482

■ 2.6300, 2.9214,
3.9630

■ 70.6639, 75.7139,
88.9584

■ 0.9613, 1.0908,
1.6051

■ 92.8177, 99.2940,
115.9073

■ 0.0000, 0.0000,
0.2944

119.1761,
127.3224, 147.8135

■ 0.0000, 0.0000,
0.0000

150.1047,

160.1838, 185.0956

185.9687,
198.2624, 228.1720

■ 16.7890, 18.1905,
22.3649

■ 16.7890, 18.1905,
22.3649

■ 14.8266, 16.4039,
22.1238

■ 18.9996, 20.1428,
22.6255

■ 13.1009, 14.7753,
21.9004

■ 21.4658, 22.2639,
22.9049

■ 11.6022, 13.2994,
21.6945

■ 24.1970, 24.5593,
23.2040

■ 10.3190, 11.9701,
21.5055

■ 27.2014, 27.0338,
23.5233

■ 9.2393, 10.7805,
21.3328

■ 30.4869, 29.6920,
23.8632

8.3493, 9.7230,
21.1756

34.0610, 32.5381,
24.2242

7.6337, 8.7890,
21.0331

37.9310, 35.5765,
24.6067

7.0730, 7.9681,
20.9042

42.1039, 38.8110,
25.0111

6.7490, 7.4725,
20.8256

46.5864, 42.2457,
25.4378

Harmonies

Analogous

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



16.4375, 18.1905, 21.2426



16.7890, 18.1905, 22.3649



17.2805, 18.1905, 22.7957

Triad

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



16.7890, 18.1905, 22.3649



18.3040, 18.1905, 19.8321



16.8043, 18.1905, 17.4271

Complementary

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



16.7890, 18.1905, 22.3649



17.4953, 17.8010, 16.9821

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.



17.2985, 18.1905, 17.0905



16.7890, 18.1905, 22.3649



18.1705, 18.1905, 18.4363

Square

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



16.7890, 18.1905, 22.3649



18.1612, 18.1905, 21.2894



17.7999, 18.1905, 17.4508



16.4462, 18.1905, 18.3938

Rectangle

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



16.7890, 18.1905, 22.3649



17.6236, 18.1905, 22.6171



17.7999, 18.1905, 17.4508



16.9597, 18.1905, 17.2387

Sweetspot

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



16.7895, 18.1913, 22.3653



33.1963, 35.2403, 39.7968



16.8594, 19.4099, 19.0627



7.4909, 7.9635, 9.0454



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.



16.7895, 18.1913, 22.3653



28.5132, 31.0843, 39.2414



15.8175, 16.2471, 22.0413



4.3227, 4.6394, 5.4809



6.9197, 7.6579, 21.3634



0.0000, 0.0000, 0.0000

Inverse Universe

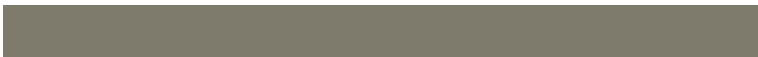
The Inverse Universe completely reimagines the original color for something new.



17.4634, 16.7293, 20.0788



29.9351, 28.0567, 34.4039



18.5037, 19.8179, 17.3182



4.4357, 4.3874, 5.0990



10.3697, 5.1676, 8.5366



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7890, 18.1905, 22.3649 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 16.7890, 18.1905, 22.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

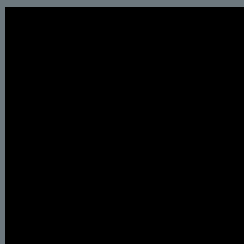
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

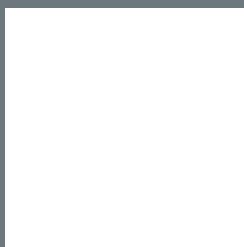
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7890, 18.1905, 22.3649

Background



This preview shows how black text looks on a background with the XYZ color 16.7890, 18.1905, 22.3649.



This preview shows how white text looks on a background with the XYZ color 16.7890, 18.1905,

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

16.7890, 18.1905, 22.3649

Protanopia

17.4706, 18.0294, 21.6280

Deuteranopia

18.4189, 18.1537, 22.6119



Tritanopia

17.1093, 18.3329, 23.4057

Trichromacy



Original Color

16.7890, 18.1905, 22.3649

Protanomaly

17.2503, 18.0824, 21.9831

Deuteranomaly

17.7998, 18.1768, 22.6490

Tritanomaly

17.0432, 18.3065, 23.0573

Monochromacy



Original Color

16.7890, 18.1905, 22.3649

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8080, 17.8903, 20.3366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7890, 18.1905, 22.3649 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(109, 120, 126) looks like.

```
.text, #text, p{  
    color:rgb(109, 120, 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(109, 120, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 120, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.7890, 18.1905, 22.3649 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(109, 120, 126) }
```


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

```
.border{ border-color:rgb(109, 120, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 120, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 120, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 120, 126);  
box-shadow:4px 4px 4px 4px rgb(109, 120,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7890, 18.1905, 22.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 120, 126) }
```

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

```
.background{ background-color: rgb(109,  
120, 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](#).

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