

Converting Colors

XYZ(16.0213, 18.3972, 21.9378)

Have a look what the booklet for
XYZ(16.0213, 18.3972, 21.9378)
contains.

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Color

**XYZ(15.9766, 18.3305,
21.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	647B7C
RGB	100, 123, 124
RGB Percent	39%, 48%, 49%
CMY	0.6078, 0.5176, 0.5137
CMYK	0.19, 0.01, 0.00, 0.51
HSL	182°, 11%, 44%
HSV	182°, 19%, 49%
XYZ	15.9766, 18.3305, 21.7649
YIQ	116.2370, -14.0290, -4.5650

Conversions

Conversions Part 2

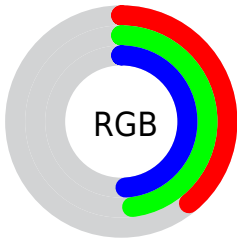
Format	Color
RYB	100, 112, 124
Decimal	6585212
CIELab	49.89, -8.09, -3.33
CIElCh	50, 8.744, 202.375
Yxy	18.3305, 0.2849, 0.3269
Android (android.graphics.Color)	4284775292 (0xFF647B7C)
YUV	116.2370, 3.8272, -14.2398
Hunter-Lab	42.8141, -8.3153, -0.1706

Details

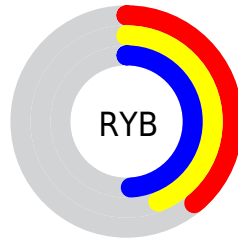
The XYZ color **15.9766, 18.3305, 21.7649** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2663, 14.5126, 14.0535**, and the grayscale version is **16.6653, 17.5332, 19.0937**.

A 20% lighter version of the original color is **35.9289, 40.3738, 46.9736**, and **5.1870, 6.1624, 7.5727** is the 20% darker color. If you saturate the color by 10%, you get **14.6445, 17.5495, 21.6847**, and if you desaturate by 10%, it is **17.5189, 19.2213, 21.8559**.

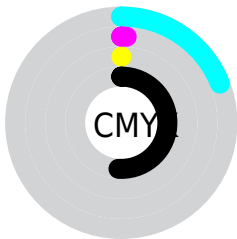
Distribution



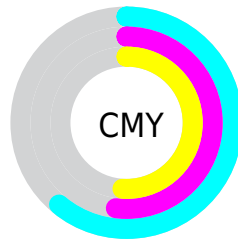
- Red (39%)
- Green (48%)
- Blue (49%)



- Red (39%)
- Yellow (44%)
- Blue (49%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (51%)



- Cyan (61%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9766, 18.3305, 21.7649 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 15.9766, 18.3305, 21.7649 by changing the saturation by 10% instead.

■ 15.9766, 18.3305,
21.7649

■ 15.9766, 18.3305,
21.7649

222.4767,
242.7274, 274.2294

■ 9.5983, 11.1875,
13.4876

■ 36.1154, 40.5997,
47.2543

■ 5.1937, 6.1931,
7.6305

■ 50.6066, 56.4947,
65.3035

■ 2.3973, 2.9629,
3.7751

■ 68.5328, 76.0758,
87.4471

■ 0.8437, 1.1124,
1.5028

■ 90.2594, 99.7275,
114.1035

■ 0.0000, 0.0000,
0.2200

116.1517,
127.8341, 145.6915

■ 0.0000, 0.0000,
0.0000

146.5751,

160.7800, 182.6294

181.8950,
198.9496, 225.3359

■ 15.9766, 18.3305,
21.7649

■ 15.9766, 18.3305,
21.7649

■ 14.6445, 17.5495,
21.6847

■ 17.5189, 19.2213,
21.8559

■ 13.5116, 16.8712,
21.6134

■ 19.2786, 20.2242,
21.9567

■ 12.5682, 16.2912,
21.5512

■ 21.2646, 21.3443,
22.0682

■ 11.8034, 15.8037,
21.4974

■ 23.4846, 22.5855,
22.1908

■ 11.2051, 15.4024,
21.4515

■ 25.9463, 23.9518,
22.3248

■ 10.7594, 15.0805,
21.4128

■ 28.6567, 25.4468,
22.4705

■ 10.4507, 14.8295,
21.3807

■ 31.6228, 27.0742,
22.6282

■ 10.2303, 14.6247,
21.3528

■ 34.8511, 28.8372,
22.7984

■ 10.2163, 14.6116,
21.3510

■ 38.3479, 30.7391,
22.9812

Harmonies

Analogous

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



15.8759, 18.3305, 19.3535



15.9766, 18.3305, 21.7649



16.4586, 18.3305, 23.8357

Triad

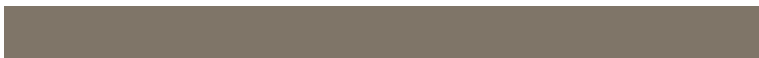
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.9766, 18.3305, 21.7649



18.7283, 18.3305, 22.9064



17.6370, 18.3305, 15.7308

Complementary

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



15.9766, 18.3305, 21.7649



15.2663, 14.5126, 14.0535

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.



18.4235, 18.3305, 16.5269



15.9766, 18.3305, 21.7649



19.0666, 18.3305, 20.5766

Square

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



15.9766, 18.3305, 21.7649



18.0423, 18.3305, 24.5306



18.9533, 18.3305, 18.2555



16.8172, 18.3305, 15.9935

Rectangle

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



15.9766, 18.3305, 21.7649



16.9399, 18.3305, 24.6808



18.9533, 18.3305, 18.2555



17.9144, 18.3305, 15.8811

Sweetspot

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



15.9771, 18.3313, 21.7653



31.7808, 34.3693, 38.5155



14.8027, 18.0607, 14.9668



7.4488, 8.0739, 9.0689



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.



15.9771, 18.3313, 21.7653



27.0887, 31.6588, 38.2397



14.6003, 15.5775, 21.3064



4.0935, 4.4852, 5.0932



10.3852, 14.8529, 21.7048



49.3790, 70.5307, 103.4810

Inverse Universe

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



16.4450, 14.8299, 20.7355



28.0655, 24.3882, 36.0805



16.4956, 16.9712, 14.4633



4.1476, 4.0748, 4.9751



11.8253, 5.7063, 18.1688



56.3274, 27.1873, 86.2431

Previews

White Background



This preview shows how the XYZ color 15.9766, 18.3305, 21.7649 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 15.9766, 18.3305, 21.7649 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 15.9766, 18.3305, 21.7649

Background



This preview shows how black text looks on a background with the XYZ color 15.9766, 18.3305, 21.7649.



This preview shows how white text looks on a background with the XYZ color 15.9766, 18.3305,

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

15.9766, 18.3305, 21.7649

Protanopia

17.6754, 18.3304, 20.6957

Deuteranopia

18.6490, 18.2799, 22.2841



Tritanopia

16.4912, 18.3517, 24.5028

Trichromacy



Original Color

15.9766, 18.3305, 21.7649

Protanomaly

17.0394, 18.3488, 21.0560

Deuteranomaly

17.5162, 18.2194, 21.9955

Tritanomaly

16.2888, 18.2707, 23.4370

Monochromacy



Original Color

15.9766, 18.3305, 21.7649

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3570, 17.8406, 20.0342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9766, 18.3305, 21.7649 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(100, 123, 124)` looks like.

```
.text, #text, p{  
    color:rgb(100, 123, 124)  
}
```

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(100, 123, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 123, 124) }
```

Border

The CSS property to change the border of an element to XYZ 15.9766, 18.3305, 21.7649 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(100, 123, 124) }
```


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

```
.border{ border-color:rgb(100, 123, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 123, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 123, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 123, 124);  
box-shadow:4px 4px 4px 4px rgb(100, 123,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9766, 18.3305, 21.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 123, 124) }
```

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

```
.background{ background-color: rgb(100,  
123, 124) }
```

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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