

Converting Colors

XYZ(16.9760, 18.0008, 20.1808)

Have a look what the booklet for
XYZ(16.9760, 18.0008, 20.1808)
contains.

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Color

**XYZ(16.8784, 17.9336,
20.0247)**

Conversions

Conversions Part 1

Format	Color
Hex	737677
RGB	115, 118, 119
RGB Percent	45%, 46%, 47%
CMY	0.5490, 0.5372, 0.5333
CMYK	0.03, 0.01, 0.00, 0.53
HSL	195°, 2%, 46%
HSV	195°, 3%, 47%
XYZ	16.8784, 17.9336, 20.0247
YIQ	117.2170, -2.1090, -0.3250

Conversions

Conversions Part 2

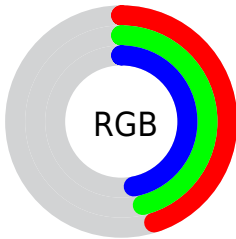
Format	Color
R_{YB}	115, 117, 119
Decimal	7566967
CIE Lab	49.42, -0.92, -0.95
CIE LCh	49, 1.326, 225.835
Yxy	17.9336, 0.3078, 0.3270
Android (android.graphics.Color)	4285757047 (0xFF737677)
YUV	117.2170, 0.8790, -1.9443
Hunter-Lab	42.3481, -2.9656, 1.6078

Details

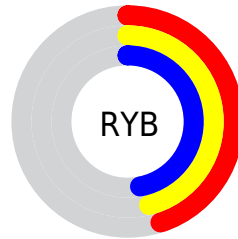
The XYZ color **16.8784, 17.9336, 20.0247** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9476, 17.6503, 18.7334**, and the grayscale version is **16.9740, 17.8580, 19.4474**.

A 20% lighter version of the original color is **37.6618, 39.9052, 44.2456**, and **5.6422, 6.0285, 6.8275** is the 20% darker color. If you saturate the color by 10%, you get **15.0695, 16.4907, 19.8418**, and if you desaturate by 10%, it is **18.9013, 19.5042, 20.2215**.

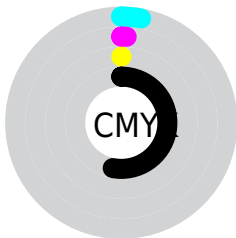
Distribution



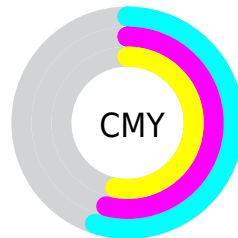
- Red (45%)
- Green (46%)
- Blue (47%)



- Red (45%)
- Yellow (46%)
- Blue (47%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8784, 17.9336, 20.0247 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 16.8784, 17.9336, 20.0247 by changing the saturation by 10% instead.

■ 16.8784, 17.9336,
20.0247

■ 16.8784, 17.9336,
20.0247

227.6406,
240.4965, 264.6575

■ 10.2426, 10.9023,
12.2287

■ 37.6618, 39.9241,
44.3181

■ 5.6236, 6.0012,
6.7752

■ 52.5402, 55.6522,
61.6526

■ 2.6561, 2.8458,
3.2456

■ 70.8968, 75.0480,
83.0038

■ 0.9746, 1.0518,
1.2214

■ 93.0970, 98.4959,
108.7901

■ 0.0000, 0.0000,
0.0000

119.5061,
126.3803, 139.4300

150.4895,

159.0856, 175.3422

186.4125,
196.9962, 216.9452

■ 16.8784, 17.9336,
20.0247

■ 16.8784, 17.9336,
20.0247

■ 15.0695, 16.4907,
19.8418

■ 18.9013, 19.5042,
20.2215

■ 13.4654, 15.1691,
19.6713

■ 21.1442, 21.2041,
20.4314

■ 12.0583, 13.9651,
19.5130

■ 23.6145, 23.0378,
20.6552

■ 10.8394, 12.8740,
19.3667

■ 26.3188, 25.0091,
20.8931

■ 9.7991, 11.8907,
19.2317

■ 29.2637, 27.1212,
21.1456

■ 8.9270, 11.0097,
19.1076

■ 32.4552, 29.3775,
21.4129

■ 8.2115, 10.2248,
18.9938

■ 35.8993, 31.7812,
21.6953

■ 7.6396, 9.5292,
18.8897

■ 39.6016, 34.3354,
21.9932

■ 7.1942, 8.9140,
18.7944

■ 43.5678, 37.0430,
22.3068

Harmonies

Analogous

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



16.8151, 17.9336, 19.7151



16.8784, 17.9336, 20.0247



16.9866, 17.9336, 20.2018

Triad

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



16.8784, 17.9336, 20.0247



17.2795, 17.9336, 19.6956



16.9798, 17.9336, 18.8717

Complementary

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



16.8784, 17.9336, 20.0247



16.9476, 17.6503, 18.7334

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.



17.1042, 17.9336, 18.8667



16.8784, 17.9336, 20.0247



17.2777, 17.9336, 19.3394

Square

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



16.8784, 17.9336, 20.0247



17.2184, 17.9336, 20.0103



17.2134, 17.9336, 19.0369



16.8735, 17.9336, 19.0509

Rectangle

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



16.8784, 17.9336, 20.0247



17.0698, 17.9336, 20.2196



17.2134, 17.9336, 19.0369



17.0209, 17.9336, 18.8497

Sweetspot

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



16.8789, 17.9344, 20.0251



31.0364, 32.7512, 35.9389



16.8158, 18.0981, 19.1099



7.3617, 7.7667, 8.5178



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.8789, 17.9344, 20.0251



29.9723, 31.9160, 35.8338



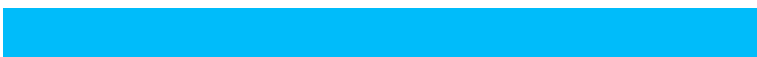
16.6533, 17.4831, 19.9499



3.9045, 4.1627, 4.6879



7.3532, 9.0461, 19.9011



35.1289, 42.6744, 96.7458

Inverse Universe

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



17.0089, 17.4917, 19.6202



30.2553, 30.9550, 34.9512



17.1731, 18.1012, 18.8086



3.9451, 4.0248, 4.5611



10.0087, 4.9372, 10.5200



48.4182, 23.9174, 49.3929

Previews

White Background



This preview shows how the XYZ color 16.8784, 17.9336, 20.0247 looks on a white background.

Color Contrast Check

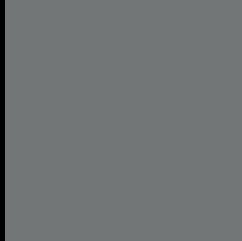
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8784, 17.9336, 20.0247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

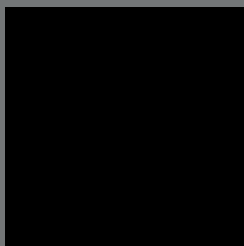
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

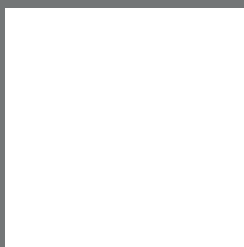
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8784, 17.9336, 20.0247

Background



This preview shows how black text looks on a background with the XYZ color 16.8784, 17.9336, 20.0247.



This preview shows how white text looks on a background with the XYZ color 16.8784, 17.9336,

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

16.8784, 17.9336, 20.0247

Protanopia

17.2391, 17.9525, 19.6961

Deuteranopia

18.3096, 17.9799, 20.2747



Tritanopia

17.3296, 17.9419, 22.2884

Trichromacy

**Original Color**

16.8784, 17.9336, 20.0247

Protanomaly

17.1025, 17.8821, 19.6897

Deuteranomaly

17.6893, 17.8285, 20.2782

Tritanomaly

17.1389, 17.8656, 21.2840

Monochromacy

**Original Color**

16.8784, 17.9336, 20.0247

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8338, 17.7436, 19.6772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8784, 17.9336, 20.0247 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(115, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(115, 118, 119)  
}
```

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(115, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.8784, 17.9336, 20.0247 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(115, 118, 119) }
```


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

```
.border{ border-color:rgb(115, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(115, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8784, 17.9336, 20.0247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 118, 119) }
```

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

```
.background{ background-color: rgb(115,  
118, 119) }
```

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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