

Converting Colors

XYZ(16.7321, 17.3464, 19.7616)

Have a look what the booklet for
XYZ(16.7321, 17.3464, 19.7616)
contains.

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Color

**XYZ(16.7369, 17.3514,
19.6066)**

Conversions

Conversions Part 1

Format	Color
Hex	757376
RGB	117, 115, 118
RGB Percent	46%, 45%, 46%
CMY	0.5412, 0.5490, 0.5373
CMYK	0.01, 0.03, 0.00, 0.54
HSL	280°, 1%, 46%
HSV	280°, 3%, 46%
XYZ	16.7369, 17.3514, 19.6066
YIQ	115.9400, 0.2290, 1.3570

Conversions

Conversions Part 2

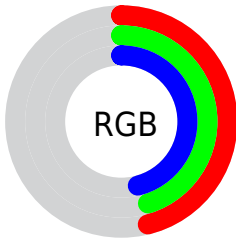
Format	Color
R_{YB}	117, 115, 118
Decimal	7697270
CIE Lab	48.70, 1.37, -1.39
CIE LCh	49, 1.953, 314.710
Yxy	17.3514, 0.3117, 0.3231
Android (android.graphics.Color)	4285887350 (0xFF757376)
YUV	115.9400, 1.0156, 0.9296
Hunter-Lab	41.6550, -1.1753, 1.2513

Details

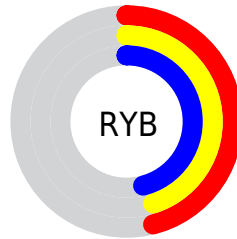
The XYZ color **16.7369, 17.3514, 19.6066** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7761, 17.9082, 18.7930**, and the grayscale version is **16.5795, 17.4429, 18.9953**.

A 20% lighter version of the original color is **37.4366, 38.9747, 43.5800**, and **5.5669, 5.7217, 6.6053** is the 20% darker color. If you saturate the color by 10%, you get **14.9590, 14.5640, 19.1625**, and if you desaturate by 10%, it is **18.7103, 20.4963, 20.1099**.

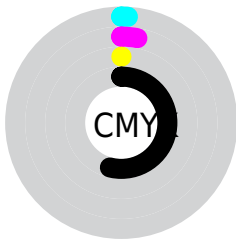
Distribution



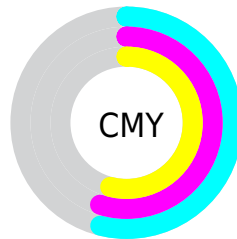
- Red (46%)
- Green (45%)
- Blue (46%)



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



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (54%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7369, 17.3514, 19.6066 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 16.7369, 17.3514, 19.6066 by changing the saturation by 10% instead.

■ 16.7369, 17.3514,
19.6066

■ 16.7369, 17.3514,
19.6066

226.8375,
237.1893, 262.3108

■ 10.1412, 10.4853,
11.9282

■ 37.4201, 38.9290,
43.6069

■ 5.5557, 5.7219,
6.5728

■ 52.2383, 54.4093,
60.7658

■ 2.6149, 2.6767,
3.1221

■ 70.5280, 73.5298,
81.9220

■ 0.9536, 0.9654,
1.1573

■ 92.6547, 96.6749,
107.4940

■ 0.0000, 0.0000,
0.0000

118.9836,
124.2290, 137.9004

149.8802,

156.5766, 173.5596

185.7097,
194.1019, 214.8902

■ 16.7369, 17.3514,
19.6066

■ 16.7369, 17.3514,
19.6066

■ 14.9590, 14.5640,
19.1625

■ 18.7103, 20.4963,
20.1099

■ 13.3683, 12.1187,
18.7744

■ 20.8842, 24.0089,
20.6733

■ 11.9582, 10.0024,
18.4402

■ 23.2650, 27.9017,
21.2992

■ 10.7211, 8.2001,
18.1575

■ 25.8587, 32.1861,
21.9895

■ 9.6486, 6.6958,
17.9237

■ 28.6708, 36.8728,
22.7459

8.7318, 5.4719,
17.7358

31.7068, 41.9721,
23.5701

7.9608, 4.5091,
17.5906

34.9717, 47.4942,
24.4639

7.3243, 3.7854,
17.4845

38.4706, 53.4487,
25.4288

6.8089, 3.2742,
17.4129

42.2084, 59.8448,
26.4664

Harmonies

Analogous

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



16.5801, 17.3514, 19.8687



16.7369, 17.3514, 19.6066



16.8284, 17.3514, 19.1556

Triad

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



16.7369, 17.3514, 19.6066



16.5835, 17.3514, 17.9518



16.1592, 17.3514, 19.1458

Complementary

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



16.7369, 17.3514, 19.6066



16.7761, 17.9082, 18.7930

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.



16.1601, 17.3514, 18.6323



16.7369, 17.3514, 19.6066



16.4042, 17.3514, 17.9493

Square

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



16.7369, 17.3514, 19.6066



16.7394, 17.3514, 18.2033



16.2495, 17.3514, 18.1964



16.2470, 17.3514, 19.5993

Rectangle

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



16.7369, 17.3514, 19.6066



16.8396, 17.3514, 18.8114



16.2495, 17.3514, 18.1964



16.1491, 17.3514, 18.9743

Sweetspot

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



16.7374, 17.3521, 19.6070



29.9329, 31.3075, 34.6023



16.5921, 17.4559, 19.6347



6.8882, 7.2078, 7.9572



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



16.7374, 17.3521, 19.6070



29.2538, 30.2329, 34.4307



16.8458, 17.4111, 19.4729



3.9466, 4.0656, 4.6670



6.9806, 3.1900, 18.7904



33.0813, 15.0625, 91.5241

Inverse Universe

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



16.7550, 17.3748, 18.9945



29.2915, 30.2811, 33.1302



16.6698, 17.8504, 18.9234



3.9526, 4.0733, 4.4601



8.4800, 4.3257, 2.4697



40.9634, 20.9355, 10.1364

Previews

White Background



This preview shows how the XYZ color 16.7369, 17.3514, 19.6066 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 16.7369, 17.3514, 19.6066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

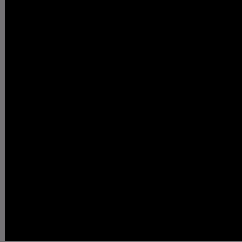
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7369, 17.3514, 19.6066

Background



This preview shows how black text looks on a background with the XYZ color 16.7369, 17.3514, 19.6066.



This preview shows how white text looks on a background with the XYZ color 16.7369, 17.3514,

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

16.7369, 17.3514, 19.6066

Protanopia

16.7369, 17.3514, 19.6066

Deuteranopia

17.5814, 17.2802, 19.8615



Tritanopia

17.0637, 17.3162, 21.1819

Trichromacy



Original Color

16.7369, 17.3514, 19.6066

Protanomaly

16.7369, 17.3514, 19.6066

Deuteranomaly

17.2609, 17.2797, 19.8783

Tritanomaly

16.9397, 17.2667, 20.5291

Monochromacy



Original Color

16.7369, 17.3514, 19.6066

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6587, 17.4881, 19.3272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7369, 17.3514, 19.6066 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(117, 115, 118)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 118)  
}
```

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(117, 115, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.7369, 17.3514, 19.6066 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(117, 115, 118) }
```


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

```
.border{ border-color:rgb(117, 115, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 115, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 118);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7369, 17.3514, 19.6066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 115, 118) }
```

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

```
.background{ background-color: rgb(117,  
115, 118) }
```

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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