

Converting Colors

XYZ(16.7851, 17.3936, 19.9576)

Have a look what the booklet for
XYZ(16.7851, 17.3936, 19.9576)
contains.

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Color

**XYZ(16.7966, 17.3753,
19.9213)**

Conversions

Conversions Part 1

Format	Color
Hex	757377
RGB	117, 115, 119
RGB Percent	46%, 45%, 47%
CMY	0.5412, 0.5490, 0.5333
CMYK	0.02, 0.03, 0.00, 0.53
HSL	270°, 2%, 46%
HSV	270°, 3%, 47%
XYZ	16.7966, 17.3753, 19.9213
YIQ	116.0540, -0.0920, 1.6680

Conversions

Conversions Part 2

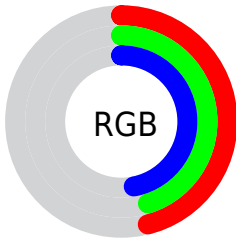
Format	Color
R_{YB}	117, 115, 119
Decimal	7697271
CIE _{Lab}	48.73, 1.58, -1.94
CIE _{LCh}	49, 2.499, 309.171
Yxy	17.3753, 0.3105, 0.3212
Android (android.graphics.Color)	4285887351 (0xFF757377)
YUV	116.0540, 1.4524, 0.8296
Hunter-Lab	41.6837, -1.0192, 0.8429

Details

The XYZ color **16.7966, 17.3753, 19.9213** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0282, 18.2139, 18.8387**, and the grayscale version is **16.6131, 17.4783, 19.0339**.

A 20% lighter version of the original color is **37.5316, 39.0127, 44.0802**, and **5.5987, 5.7345, 6.7730** is the 20% darker color. If you saturate the color by 10%, you get **14.7516, 14.4354, 19.4619**, and if you desaturate by 10%, it is **19.0687, 20.6933, 20.4423**.

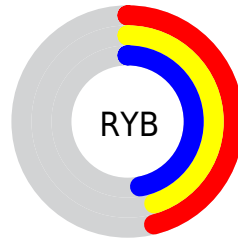
Distribution



Red (46%)

Green (45%)

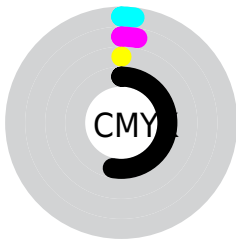
Blue (47%)



Red (46%)

Yellow (45%)

Blue (47%)

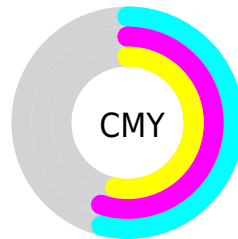


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (54%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7966, 17.3753, 19.9213 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 16.7966, 17.3753, 19.9213 by changing the saturation by 10% instead.

■ 16.7966, 17.3753,
19.9213

■ 16.7966, 17.3753,
19.9213

227.1767,
237.3259, 264.0789

■ 10.1840, 10.5024,
12.1543

■ 37.5221, 38.9699,
44.1424

■ 5.5843, 5.7333,
6.7251

■ 52.3657, 54.4605,
61.4337

■ 2.6322, 2.6836,
3.2149

■ 70.6837, 73.5924,
82.7368

■ 0.9624, 0.9689,
1.2054

■ 92.8414, 96.7500,
108.4703

■ 0.0000, 0.0000,
0.0000

119.2042,
124.3178, 139.0527

150.1375,

156.6801, 174.9026

186.0065,
194.2214, 216.4384

■ 16.7966, 17.3753,
19.9213

■ 16.7966, 17.3753,
19.9213

■ 14.7516, 14.4354,
19.4619

■ 19.0687, 20.6933,
20.4423

■ 12.9247, 11.8576,
19.0606

■ 21.5736, 24.4003,
21.0258

■ 11.3082, 9.6280,
18.7155

■ 24.3187, 28.5095,
21.6742

■ 9.8936, 7.7309,
18.4238

■ 27.3105, 33.0326,
22.3896

■ 8.6717, 6.1495,
18.1830

■ 30.5555, 37.9812,
23.1737

7.6325, 4.8652,
17.9899

34.0597, 43.3660,
24.0284

6.7649, 3.8577,
17.8411

37.8288, 49.1977,
24.9554

6.0566, 3.1038,
17.7329

41.8687, 55.4865,
25.9563

5.4916, 2.5737,
17.6604

46.1848, 62.2420,
27.0328

Harmonies

Analogous

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



16.5855, 17.3753, 20.2014



16.7966, 17.3753, 19.9213



16.9330, 17.3753, 19.3743

Triad

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



16.7966, 17.3753, 19.9213



16.6730, 17.3753, 17.7555



16.0804, 17.3753, 19.1220

Complementary

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



16.7966, 17.3753, 19.9213



17.0282, 18.2139, 18.8387

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.



16.1034, 17.3753, 18.4704



16.7966, 17.3753, 19.9213



16.4441, 17.3753, 17.6916

Square

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



16.7966, 17.3753, 19.9213



16.8612, 17.3753, 18.1273



16.2360, 17.3753, 17.9504



16.1730, 17.3753, 19.7329

Rectangle

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



16.7966, 17.3753, 19.9213



16.9624, 17.3753, 18.9372



16.2360, 17.3753, 17.9504



16.0749, 17.3753, 18.9004

Sweetspot

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



16.7971, 17.3760, 19.9217



30.9912, 32.4405, 35.8813



16.7698, 17.7156, 19.9887



7.3517, 7.6985, 8.5052



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.



16.7971, 17.3760, 19.9217



29.7929, 30.7015, 35.6088



17.0597, 17.5114, 19.9340



3.8787, 3.9884, 4.6557



5.4715, 2.4120, 18.7197



25.6754, 11.2447, 91.1775

Inverse Universe

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



16.9501, 17.4686, 19.3091



30.1265, 30.9034, 34.2728



16.7710, 18.0813, 18.8267



3.9266, 4.0174, 4.4636



8.9318, 4.5064, 4.8491



43.0933, 21.7874, 21.3524

Previews

White Background



This preview shows how the XYZ color 16.7966, 17.3753, 19.9213 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 16.7966, 17.3753, 19.9213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

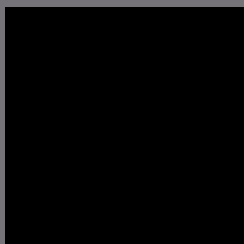
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

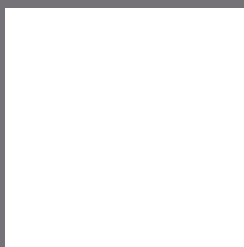
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7966, 17.3753, 19.9213

Background



This preview shows how black text looks on a background with the XYZ color 16.7966, 17.3753, 19.9213.



This preview shows how white text looks on a background with the XYZ color 16.7966, 17.3753,

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

16.7966, 17.3753, 19.9213

Protanopia

16.7966, 17.3753, 19.9213

Deuteranopia

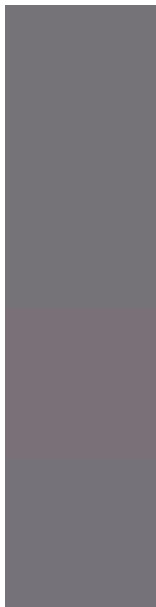
17.6418, 17.3044, 20.1796



Tritanopia

17.0637, 17.3162, 21.1819

Trichromacy



Original Color

16.7966, 17.3753, 19.9213

Protanomaly

16.7966, 17.3753, 19.9213

Deuteranomaly

17.3213, 17.3039, 20.1964

Tritanomaly

17.0014, 17.2913, 20.8538

Monochromacy



Original Color

16.7966, 17.3753, 19.9213

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 16.7966, 17.3753, 19.9213 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 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(117, 115, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.7966, 17.3753, 19.9213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

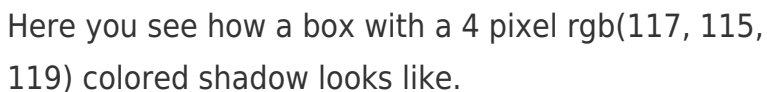
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 115, 119) }
```


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

```
.border{ border-color:rgb(117, 115, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 119);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7966, 17.3753, 19.9213 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, 119) }
```

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

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