

Converting Colors

XYZ(16.9766, 21.5490, 7.6542)

Have a look what the booklet for
XYZ(16.9766, 21.5490, 7.6542)
contains.

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Color

**XYZ(16.9775, 21.5164,
7.6732)**

Conversions

Conversions Part 1

Format	Color
Hex	76873D
RGB	118, 135, 61
RGB Percent	46%, 53%, 24%
CMY	0.5373, 0.4706, 0.7608
CMYK	0.13, 0.00, 0.55, 0.47
HSL	74°, 38%, 38%
HSV	74°, 55%, 53%
XYZ	16.9775, 21.5164, 7.6732
YIQ	121.4810, 13.6220, -26.6180

Conversions

Conversions Part 2

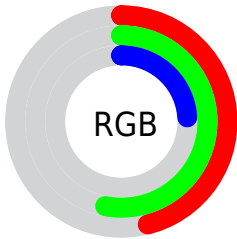
Format	Color
RYB	61, 135, 78
Decimal	7767869
CIELab	53.51, -18.02, 37.23
CIELCh	54, 41.367, 115.830
Yxy	21.5164, 0.3677, 0.4661
Android (android.graphics.Color)	4285957949 (0xFF76873D)
YUV	121.4810, -29.8171, -3.0528
Hunter-Lab	46.3858, -15.8429, 22.6622

Details

The XYZ color **16.9775, 21.5164, 7.6732** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.1846, 6.7071, 23.7334**, and the grayscale version is **18.4209, 19.3802, 21.1051**.

A 20% lighter version of the original color is **37.8657, 45.8848, 21.8998**, and **5.6236, 7.7145, 1.5092** is the 20% darker color. If you saturate the color by 10%, you get **16.2445, 21.1761, 5.9740**, and if you desaturate by 10%, it is **17.8169, 21.9024, 9.8563**.

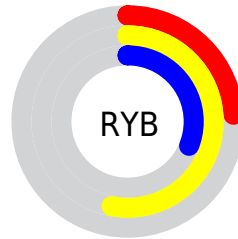
Distribution



Red (46%)

Green (53%)

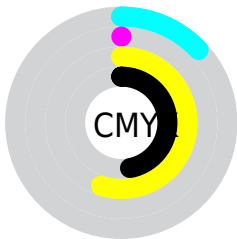
Blue (24%)



Red (24%)

Yellow (53%)

Blue (31%)

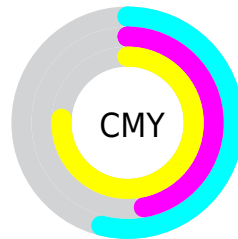


Cyan (13%)

Magenta (0%)

Yellow (55%)

Black (47%)



Cyan (54%)

Magenta (47%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9775, 21.5164, 7.6732 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 16.9775, 21.5164, 7.6732 by changing the saturation by 10% instead.

■ 16.9775, 21.5164,
7.6732

■ 16.9775, 21.5164,
7.6732

228.2015,
260.0103, 182.9836

■ 10.3137, 13.5020,
3.8018

■ 37.8310, 45.9454,
21.8507

■ 5.6713, 7.7751,
1.5173

■ 52.7513, 63.1288,
32.9940

■ 2.6850, 3.9514,
0.2307

■ 71.1546, 84.1373,
47.3982

■ 0.9895, 1.6464,
0.0000

■ 93.4061, 109.3553,
65.4820

■ 0.0000, 0.3886,
0.0000

■ 119.8711,
139.1672, 87.6639

■ 0.0000, 0.0000,
0.0000

■ 150.9152,

173.9574, 114.3625

186.9035,
214.1103, 145.9962

■ 16.9775, 21.5164,
7.6732

■ 16.9775, 21.5164,
7.6732

■ 16.2445, 21.1761,
5.9740

■ 17.8169, 21.9024,
9.8563

■ 15.6094, 20.8757,
4.7202

■ 18.7677, 22.3338,
12.5549

■ 15.0643, 20.6130,
3.8702

■ 19.8362, 22.8139,
15.7997

■ 14.5983, 20.3834,
3.3660

■ 21.0278, 23.3449,
19.6185

■ 14.3714, 20.2709,
3.1552

■ 22.3476, 23.9288,
24.0374

■ 23.8003, 24.5676,
29.0805

■ 25.3904, 25.2631,
34.7711

■ 27.1222, 26.0169,
41.1309

■ 28.9998, 26.8307,
48.1807

Harmonies

Analogous

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



21.0729, 21.5164, 6.6058



16.9775, 21.5164, 7.6732



14.2123, 21.5164, 12.2729

Triad

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



16.9775, 21.5164, 7.6732



16.0524, 21.5164, 49.7778



30.1159, 21.5164, 25.2365

Complementary

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



16.9775, 21.5164, 7.6732



9.1846, 6.7071, 23.7334

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.



28.2904, 21.5164, 39.8656



16.9775, 21.5164, 7.6732



19.8409, 21.5164, 56.9089

Square

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



16.9775, 21.5164, 7.6732



13.7344, 21.5164, 35.6671



24.3679, 21.5164, 52.7507



29.0620, 21.5164, 14.3676

Rectangle

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



16.9775, 21.5164, 7.6732



13.2880, 21.5164, 17.9765



24.3679, 21.5164, 52.7507



29.8124, 21.5164, 29.8825

Sweetspot

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



16.9780, 21.5174, 7.6737



37.3105, 41.6512, 34.0062



13.4910, 10.8009, 5.7890



8.5510, 9.6060, 7.5845



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.9780, 21.5174, 7.6737



28.7697, 37.7702, 10.0245



12.9838, 19.4583, 7.4867



4.9379, 5.3706, 5.0057



13.2634, 18.6975, 2.9099



0.0523, 0.0680, 0.0104

Inverse Universe

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



9.1846, 6.7071, 23.7334



13.3226, 8.3483, 41.9576



12.9864, 8.6670, 23.9113



4.5273, 4.5924, 5.8486



4.5646, 1.8873, 21.2604



0.0213, 0.0094, 0.0739

Previews

White Background



This preview shows how the XYZ color 16.9775, 21.5164, 7.6732 looks on a white 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

Black Background



This preview shows how the XYZ color 16.9775, 21.5164, 7.6732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

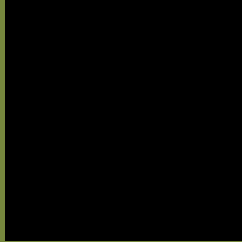
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9775, 21.5164, 7.6732

Background



This preview shows how black text looks on a background with the XYZ color 16.9775, 21.5164, 7.6732.



This preview shows how white text looks on a background with the XYZ color 16.9775, 21.5164,

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

16.9775, 21.5164, 7.6732

Protanopia

19.6639, 21.5049, 7.2521

Deuteranopia

21.8183, 21.4688, 7.9950



Tritanopia

20.8571, 21.4969, 26.7169

Trichromacy



Original Color

16.9775, 21.5164, 7.6732

Protanomaly

18.6048, 21.5454, 7.4531

Deuteranomaly

19.8425, 21.3885, 7.9331

Tritanomaly

19.0551, 21.3545, 17.5855

Monochromacy



Original Color

16.9775, 21.5164, 7.6732

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4587, 19.8156, 14.7090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9775, 21.5164, 7.6732 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(118, 135, 61)` looks like.

```
.text, #text, p{  
    color:rgb(118, 135, 61)  
}
```

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(118, 135, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 135, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.9775, 21.5164, 7.6732 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(118, 135, 61) }
```


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

```
.border{ border-color:rgb(118, 135, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 135, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 135, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 135, 61);  
box-shadow:4px 4px 4px 4px rgb(118, 135,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9775, 21.5164, 7.6732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 135, 61) }
```

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

```
.background{ background-color: rgb(118,  
135, 61) }
```

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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