

Converting Colors

XYZ(16.4475, 16.9596, 15.5822)

Have a look what the booklet for
XYZ(16.4475, 16.9596, 15.5822)
contains.

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Color

**XYZ(16.4299, 16.9473,
15.5019)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7168
RGB	122, 113, 104
RGB Percent	48%, 44%, 41%
CMY	0.5216, 0.5569, 0.5922
CMYK	0.00, 0.07, 0.15, 0.52
HSL	30°, 8%, 44%
HSV	30°, 15%, 48%
XYZ	16.4299, 16.9473, 15.5019
YIQ	114.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

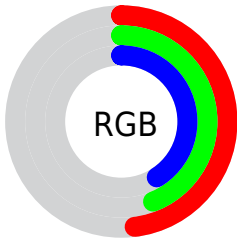
Format	Color
R_{YB}	122, 122, 104
Decimal	8024424
CIE Lab	48.19, 1.83, 6.25
CIE LCh	48, 6.508, 73.655
Yxy	16.9473, 0.3361, 0.3467
Android (android.graphics.Color)	4286214504 (0xFF7A7168)
YUV	114.6650, -5.2578, 6.4328
Hunter-Lab	41.1671, -0.8026, 6.4907

Details

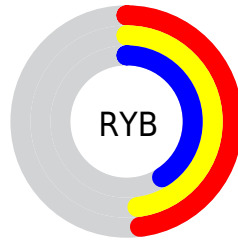
The XYZ color **16.4299, 16.9473, 15.5019** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1269, 16.1583, 20.7342**, and the grayscale version is **16.2084, 17.0524, 18.5701**.

A 20% lighter version of the original color is **36.8271, 38.2755, 36.4573**, and **5.3765, 5.4925, 4.6477** is the 20% darker color. If you saturate the color by 10%, you get **15.1970, 15.4023, 12.2516**, and if you desaturate by 10%, it is **17.7992, 18.6211, 19.2405**.

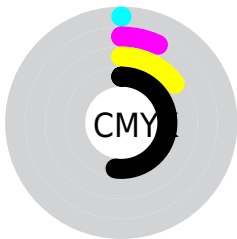
Distribution



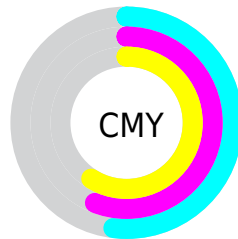
- Red (48%)
- Green (44%)
- Blue (41%)



- Red (48%)
- Yellow (48%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (15%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4299, 16.9473, 15.5019 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 16.4299, 16.9473, 15.5019 by changing the saturation by 10% instead.

■ 16.4299, 16.9473,
15.5019

■ 16.4299, 16.9473,
15.5019

225.0861,
234.8685, 238.1288

■ 9.9216, 10.1969,
9.0219

■ 36.8944, 38.2351,
36.4860

■ 5.4089, 5.5297,
4.6584

■ 51.5813, 53.5414,
51.8271

■ 2.5263, 2.5613,
1.9931

■ 69.7252, 72.4684,
70.9589

■ 0.9086, 0.9072,
0.5510

■ 91.6914, 95.4006,
94.3001

■ 0.0000, 0.0000,
0.0000

117.8452,
122.7223, 122.2692

148.5520,

154.8179, 155.2846

184.1772,
192.0718, 193.7650

■ 16.4299, 16.9473,
15.5019

■ 16.4299, 16.9473,
15.5019

■ 15.1970, 15.4023,
12.2516

■ 17.7992, 18.6211,
19.2405

■ 14.0943, 13.9806,
9.4680

■ 19.3079, 20.4247,
23.4855

■ 13.1172, 12.6795,
7.1294

■ 20.9608, 22.3619,
28.2555

■ 12.2605, 11.4952,
5.2123

■ 22.7618, 24.4355,
33.5678

■ 11.5181, 10.4238,
3.6905

■ 24.7149, 26.6485,
39.4390

■ 10.8837, 9.4612,
2.5351

■ 26.8239, 29.0036,
45.8848

■ 10.3501, 8.6028,
1.7133

■ 29.0922, 31.5034,
52.9204

■ 9.9067, 7.8426,
1.1754

■ 31.5234, 34.1505,
60.5604

■ 9.6957, 7.4767,
0.9321

■ 34.1209, 36.9475,
68.8188

Harmonies

Analogous

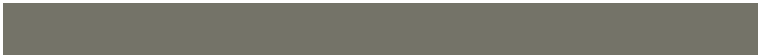
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.9444, 16.9473, 16.2955



16.4299, 16.9473, 15.5019



15.8410, 16.9473, 15.4667

Triad

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



16.4299, 16.9473, 15.5019



15.0284, 16.9473, 19.2320



16.9054, 16.9473, 20.9096

Complementary

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



16.4299, 16.9473, 15.5019



15.1269, 16.1583, 20.7342

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.



16.3777, 16.9473, 21.8003



16.4299, 16.9473, 15.5019



15.2994, 16.9473, 20.7924

Square

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



16.4299, 16.9473, 15.5019



15.0416, 16.9473, 17.5517



15.7901, 16.9473, 21.7561



17.2234, 16.9473, 19.3841

Rectangle

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



16.4299, 16.9473, 15.5019



15.4861, 16.9473, 15.8735



15.7901, 16.9473, 21.7561



16.7461, 16.9473, 21.2972

Sweetspot

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



16.4304, 16.9481, 15.5023



31.4805, 32.9612, 34.3126



15.9573, 15.2307, 17.7218



7.1610, 7.4919, 7.7428



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.



16.4304, 16.9481, 15.5023



28.0797, 28.7898, 25.0704



17.4845, 19.0564, 15.8537



4.1485, 4.3154, 4.2388



10.1995, 7.8549, 0.9786



47.8014, 35.7663, 4.3842

Inverse Universe

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



15.1269, 16.1583, 20.7342



25.2845, 27.0961, 36.2903



14.1723, 14.2491, 20.4160



3.9477, 4.1937, 5.0446



5.4463, 4.9749, 20.0585



25.1280, 22.0287, 95.3974

Previews

White Background



This preview shows how the XYZ color 16.4299, 16.9473, 15.5019 looks on a white background.

Color Contrast Check

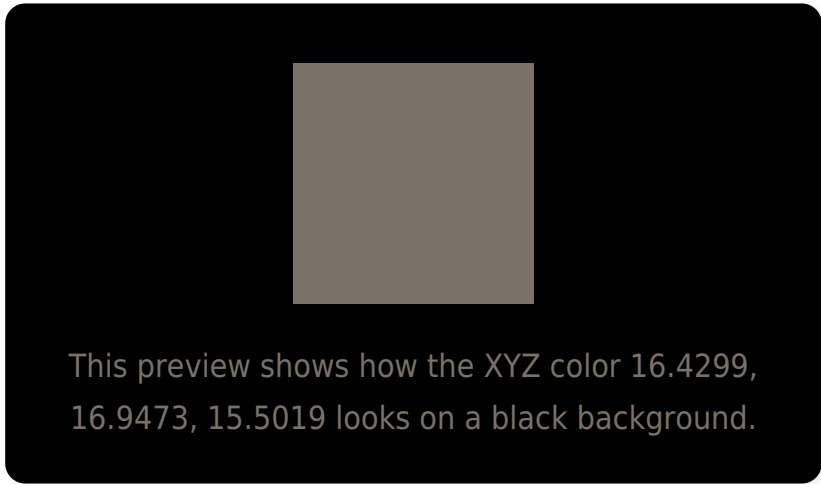
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

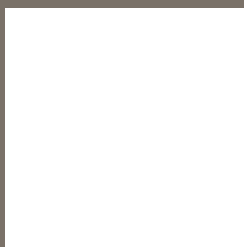
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4299, 16.9473, 15.5019

Background



This preview shows how black text looks on a background with the XYZ color 16.4299, 16.9473, 15.5019.

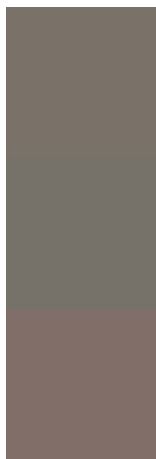


This preview shows how white text looks on a background with the XYZ color 16.4299, 16.9473,

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

16.4299, 16.9473, 15.5019

Protanopia

16.1749, 16.9765, 15.7889

Deuteranopia

17.1790, 16.8389, 15.7094



Tritanopia

17.3264, 16.9859, 19.8182

Trichromacy



Original Color

16.4299, 16.9473, 15.5019

Protanomaly

16.3128, 17.0476, 15.7953

Deuteranomaly

16.8384, 16.8244, 15.7246

Tritanomaly

16.9998, 17.0142, 18.3077

Monochromacy



Original Color

16.4299, 16.9473, 15.5019

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.3578, 17.0339, 17.4646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4299, 16.9473, 15.5019 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(122, 113, 104)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 104)  
}
```

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(122, 113, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 104) }
```

Border

The CSS property to change the border of an element to XYZ 16.4299, 16.9473, 15.5019 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(122, 113, 104) }
```


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

```
.border{ border-color:rgb(122, 113, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 113, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 104);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4299, 16.9473, 15.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 104) }
```

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

```
.background{ background-color: rgb(122,  
113, 104) }
```

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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