

Converting Colors

XYZ(14.9683, 16.2238, 21.7279)

Have a look what the booklet for
XYZ(14.9683, 16.2238, 21.7279)
contains.

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Color

**XYZ(14.9745, 16.2246,
21.7445)**

Conversions

Conversions Part 1

Format	Color
Hex	64727D
RGB	100, 114, 125
RGB Percent	39%, 45%, 49%
CMY	0.6078, 0.5529, 0.5098
CMYK	0.20, 0.09, 0.00, 0.51
HSL	206°, 11%, 44%
HSV	206°, 20%, 49%
XYZ	14.9745, 16.2246, 21.7445
YIQ	111.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

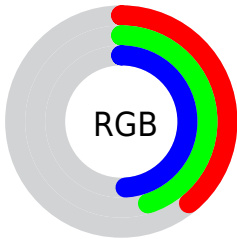
Format	Color
RYB	100, 109, 125
Decimal	6582909
CIELab	47.27, -2.66, -7.82
CIELCh	47, 8.260, 251.231
Yxy	16.2246, 0.2828, 0.3065
Android (android.graphics.Color)	4284772989 (0xFF64727D)
YUV	111.0680, 6.8685, -9.7066
Hunter-Lab	40.2798, -4.1300, -3.8111

Details

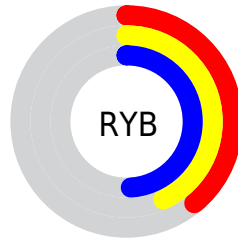
The XYZ color **14.9745, 16.2246, 21.7445** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4423, 16.6490, 14.4039**, and the grayscale version is **15.1127, 15.8997, 17.3148**.

A 20% lighter version of the original color is **34.4346, 37.0661, 47.4591**, and **4.7209, 5.1751, 7.5876** is the 20% darker color. If you saturate the color by 10%, you get **13.0949, 14.3627, 21.4844**, and if you desaturate by 10%, it is **17.1045, 18.2718, 22.0277**.

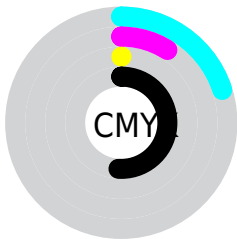
Distribution



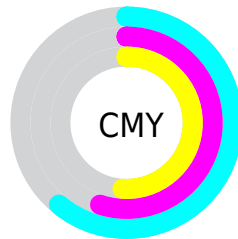
- Red (39%)
- Green (45%)
- Blue (49%)



- Red (39%)
- Yellow (43%)
- Blue (49%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (51%)



- Cyan (61%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9745, 16.2246, 21.7445 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 14.9745, 16.2246, 21.7445 by changing the saturation by 10% instead.

■ 14.9745, 16.2246,
21.7445

■ 14.9745, 16.2246,
21.7445

216.6033,
230.6634, 274.1189

■ 8.8877, 9.6832,
13.4728

■ 34.3805, 36.9877,
47.2201

■ 4.7245, 5.1894,
7.6204

■ 48.4303, 51.9782,
65.2611

■ 2.1196, 2.3588,
3.7687

■ 65.8653, 70.5538,
87.3955

■ 0.6999, 0.8046,
1.4993

■ 87.0506, 93.0991,
114.0420

■ 0.0000, 0.0000,
0.2174

112.3517,
119.9982, 145.6190

■ 0.0000, 0.0000,
0.0000

142.1340,

151.6358, 182.5451

176.7627,
188.3960, 225.2389

■ 14.9745, 16.2246,
21.7445

■ 14.9745, 16.2246,
21.7445

■ 13.0949, 14.3627,
21.4844

■ 17.1045, 18.2718,
22.0277

■ 11.4541, 12.6778,
21.2457

■ 19.4931, 20.5083,
22.3334

■ 10.0413, 11.1640,
21.0280

■ 22.1500, 22.9403,
22.6628

■ 8.8447, 9.8140,
20.8305

■ 25.0838, 25.5732,
23.0164

■ 7.8511, 8.6200,
20.6524

■ 28.3028, 28.4120,
23.3947

■ 7.0455, 7.5732,
20.4928

■ 31.8148, 31.4618,
23.7983

■ 6.4110, 6.6637,
20.3507

■ 35.6275, 34.7273,
24.2276

■ 5.8924, 5.8620,
20.2233

■ 39.7481, 38.2131,
24.6833

■ 5.8924, 5.8619,
20.2232

■ 44.1836, 41.9236,
25.1657

Harmonies

Analogous

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



14.3910, 16.2246, 20.4451



14.9745, 16.2246, 21.7445



15.6955, 16.2246, 21.9017

Triad

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



14.9745, 16.2246, 21.7445



16.8367, 16.2246, 16.8957



14.5157, 16.2246, 14.8163

Complementary

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



14.9745, 16.2246, 21.7445



16.4423, 16.6490, 14.4039

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.



15.1497, 16.2246, 14.0147



14.9745, 16.2246, 21.7445



16.4990, 16.2246, 15.1506

Square

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



14.9745, 16.2246, 21.7445



16.7862, 16.2246, 18.9888



15.8763, 16.2246, 14.1320



14.1319, 16.2246, 16.4058

Rectangle

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



14.9745, 16.2246, 21.7445



16.1590, 16.2246, 21.3244



15.8763, 16.2246, 14.1320



14.7058, 16.2246, 14.4516

Sweetspot

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



14.9750, 16.2253, 21.7449



32.2224, 34.2228, 39.6517



15.4495, 18.5209, 17.7518



7.2817, 7.7396, 9.0132



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



14.9750, 16.2253, 21.7449



25.2196, 27.4870, 38.7207



13.6762, 13.6277, 21.3119



4.2929, 4.5799, 5.4710



6.1427, 6.1038, 21.1043



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0523, 14.6896, 17.9096



27.5427, 24.3053, 30.4209



17.8824, 19.5292, 14.8839



4.4207, 4.3814, 5.0199



9.9775, 5.0107, 6.4712



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9745, 16.2246, 21.7445 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 14.9745, 16.2246, 21.7445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

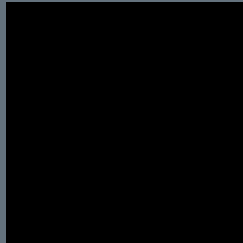
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

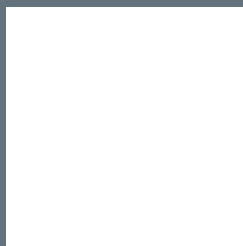
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9745, 16.2246, 21.7445

Background



This preview shows how black text looks on a background with the XYZ color 14.9745, 16.2246, 21.7445.



This preview shows how white text looks on a background with the XYZ color 14.9745, 16.2246,

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

14.9745, 16.2246, 21.7445

Protanopia

15.8151, 16.1784, 21.0281

Deuteranopia

16.4370, 16.1566, 21.9909



Tritanopia

14.8480, 16.1740, 21.0782

Trichromacy



Original Color

14.9745, 16.2246, 21.7445

Protanomaly

15.4957, 16.1694, 21.3731

Deuteranomaly

15.8807, 16.1902, 22.0267

Tritanomaly

14.9109, 16.1992, 21.4096

Monochromacy



Original Color

14.9745, 16.2246, 21.7445

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0100, 15.9751, 18.8154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9745, 16.2246, 21.7445 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(100, 114, 125)` looks like.

```
.text, #text, p{  
    color:rgb(100, 114, 125)  
}
```

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(100, 114, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 114, 125) }
```

Border

The CSS property to change the border of an element to XYZ 14.9745, 16.2246, 21.7445 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(100, 114, 125) }
```


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

```
.border{ border-color:rgb(100, 114, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 114, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 114, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 114, 125);  
box-shadow:4px 4px 4px 4px rgb(100, 114,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9745, 16.2246, 21.7445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 114, 125) }
```

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

```
.background{ background-color: rgb(100,  
114, 125) }
```

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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