

Converting Colors

XYZ(15.9998, 15.1456, 22.3940)

Have a look what the booklet for
XYZ(15.9998, 15.1456, 22.3940)
contains.

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Color

**XYZ(16.0491, 15.1721,
22.5047)**

Conversions

Conversions Part 1

Format	Color
Hex	746880
RGB	116, 104, 128
RGB Percent	45%, 41%, 50%
CMY	0.5451, 0.5921, 0.4980
CMYK	0.09, 0.19, 0.00, 0.50
HSL	270°, 10%, 45%
HSV	270°, 19%, 50%
XYZ	16.0491, 15.1721, 22.5047
YIQ	110.3240, -0.5520, 10.0080

Conversions

Conversions Part 2

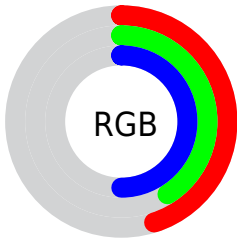
Format	Color
R_{YB}	116, 104, 128
Decimal	7628928
CIE _{Lab}	45.87, 9.68, -11.58
CIE _{LCh}	46, 15.094, 309.902
Yxy	15.1721, 0.2987, 0.2824
Android (android.graphics.Color)	4285819008 (0xFF746880)
YUV	110.3240, 8.7143, 4.9779
Hunter-Lab	38.9514, 5.3823, -6.9897

Details

The XYZ color **16.0491, 15.1721, 22.5047** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4207, 20.1511, 16.0687**, and the grayscale version is **14.8903, 15.6657, 17.0600**.

A 20% lighter version of the original color is **36.2103, 35.1037, 48.5833**, and **5.2583, 4.7197, 8.0310** is the 20% darker color. If you saturate the color by 10%, you get **14.0357, 12.3648, 22.0692**, and if you desaturate by 10%, it is **18.3176, 18.4020, 23.0088**.

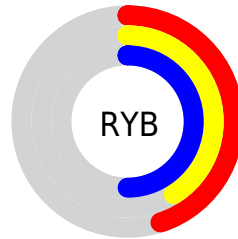
Distribution



Red (45%)

Green (41%)

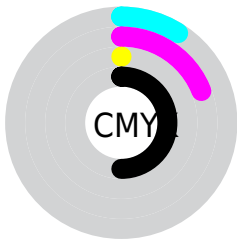
Blue (50%)



Red (45%)

Yellow (41%)

Blue (50%)

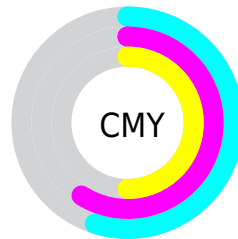


Cyan (9%)

Magenta (19%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (59%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0491, 15.1721, 22.5047 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 16.0491, 15.1721, 22.5047 by changing the saturation by 10% instead.

■ 16.0491, 15.1721,
22.5047

■ 16.0491, 15.1721,
22.5047

222.8960,
224.4055, 278.2097

■ 9.6500, 8.9403,
14.0264

■ 36.2402, 35.1548,
48.4916

■ 5.2280, 4.7022,
8.0000

■ 50.7628, 49.6745,
66.8372

■ 2.4178, 2.0736,
4.0072

■ 68.7241, 67.7255,
89.3090

■ 0.8540, 0.6497,
1.6293

■ 90.4892, 89.6924,
116.3256

■ 0.0000, 0.0000,
0.3116

116.4236,
115.9594, 148.3054

■ 0.0000, 0.0000,
0.0000

146.8926,

146.9110, 185.6670

182.2616,
182.9316, 228.8289

■ 16.0491, 15.1721,
22.5047

■ 16.0491, 15.1721,
22.5047

■ 14.0357, 12.3648,
22.0692

■ 18.3176, 18.4020,
23.0088

■ 12.2661, 9.9602,
21.6983

■ 20.8493, 22.0698,
23.5833

■ 10.7301, 7.9392,
21.3892

■ 23.6534, 26.1921,
24.2312

■ 9.4161, 6.2806,
21.1383

■ 26.7384, 30.7843,
24.9550

■ 8.3116, 4.9612,
20.9418

■ 30.1124, 35.8608,
25.7570

7.4023, 3.9547,
20.7955

33.7830, 41.4355,
26.6396

6.6723, 3.2308,
20.6942

37.7576, 47.5219,
27.6049

6.0807, 2.7104,
20.6250

42.0435, 54.1327,
28.6550

6.0108, 2.6486,
20.6167

46.6475, 61.2803,
29.7920

Harmonies

Analogous

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



14.8458, 15.1721, 24.4358



16.0491, 15.1721, 22.5047



16.8446, 15.1721, 19.0486

Triad

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



16.0491, 15.1721, 22.5047



15.2785, 15.1721, 10.7705



12.1405, 15.1721, 17.7554

Complementary

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



16.0491, 15.1721, 22.5047



17.4207, 20.1511, 16.0687

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.



12.2412, 15.1721, 14.2254



16.0491, 15.1721, 22.5047



14.0036, 15.1721, 10.5298

Square

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



16.0491, 15.1721, 22.5047



16.3818, 15.1721, 12.4173



12.9062, 15.1721, 11.7029



12.6226, 15.1721, 21.4390

Rectangle

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



16.0491, 15.1721, 22.5047



17.0105, 15.1721, 16.5318



12.9062, 15.1721, 11.7029



12.1080, 15.1721, 16.5079

Sweetspot

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



16.0496, 15.1727, 22.5050



33.3690, 34.0095, 40.7620



15.8511, 16.9928, 22.8668



7.7599, 7.8866, 9.5316



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.0496, 15.1727, 22.5050



26.8736, 24.7708, 39.3211



17.7491, 16.0489, 22.5846



4.2977, 4.3091, 5.4185



5.9617, 2.6271, 20.4428



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0052, 15.7513, 18.6674



28.8685, 25.9786, 31.3098



15.9272, 19.3812, 15.9988



4.4104, 4.3773, 4.9658



9.7453, 4.9178, 5.2486



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0491, 15.1721, 22.5047 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 16.0491, 15.1721, 22.5047 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 16.0491, 15.1721, 22.5047

Background



This preview shows how black text looks on a background with the XYZ color 16.0491, 15.1721, 22.5047.



This preview shows how white text looks on a background with the XYZ color 16.0491, 15.1721,

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

16.0491, 15.1721, 22.5047

Protanopia

15.1007, 15.2799, 23.2725

Deuteranopia

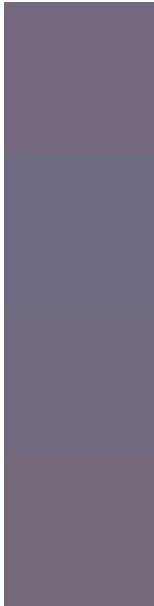
15.4807, 15.1816, 22.5365



Tritanopia

15.1880, 15.1233, 18.3382

Trichromacy



Original Color

16.0491, 15.1721, 22.5047

Protanomaly

15.4045, 15.2885, 22.9080

Deuteranomaly

15.6299, 15.1064, 22.5141

Tritanomaly

15.5120, 15.1041, 19.8671

Monochromacy



Original Color

16.0491, 15.1721, 22.5047

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2555, 15.4542, 19.0085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0491, 15.1721, 22.5047 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(116, 104, 128)` looks like.

```
.text, #text, p{  
    color:rgb(116, 104, 128)  
}
```

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(116, 104, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 104, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.0491, 15.1721, 22.5047 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(116, 104, 128) }
```


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

```
.border{ border-color:rgb(116, 104, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 104, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 104, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 104, 128);  
box-shadow:4px 4px 4px 4px rgb(116, 104,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0491, 15.1721, 22.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 104, 128) }
```

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

```
.background{ background-color: rgb(116,  
104, 128) }
```

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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