

Converting Colors

XYZ(16.1837, 16.3640, 22.7278)

Have a look what the booklet for
XYZ(16.1837, 16.3640, 22.7278)
contains.

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Color

**XYZ(16.1363, 16.3069,
22.7191)**

Conversions

Conversions Part 1

Format	Color
Hex	6F6F80
RGB	111, 111, 128
RGB Percent	44%, 44%, 50%
CMY	0.5647, 0.5647, 0.4980
CMYK	0.13, 0.13, 0.00, 0.50
HSL	240°, 7%, 47%
HSV	240°, 13%, 50%
XYZ	16.1363, 16.3069, 22.7191
YIQ	112.9380, -5.4570, 5.2870

Conversions

Conversions Part 2

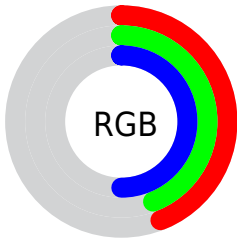
Format	Color
R_{YB}	111, 111, 128
Decimal	7303040
CIE Lab	47.37, 3.69, -9.36
CIE LCh	47, 10.060, 291.534
Yxy	16.3069, 0.2925, 0.2956
Android (android.graphics.Color)	4285493120 (0xFF6F6F80)
YUV	112.9380, 7.4256, -1.6996
Hunter-Lab	40.3818, 0.6593, -5.0897

Details

The XYZ color **16.1363, 16.3069, 22.7191** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.4906, 21.1752, 18.0994**, and the grayscale version is **15.6579, 16.4733, 17.9395**.

A 20% lighter version of the original color is **36.5419, 37.3171, 48.9930**, and **5.2387, 5.1763, 8.1202** is the 20% darker color. If you saturate the color by 10%, you get **13.3418, 12.9399, 22.2167**, and if you desaturate by 10%, it is **19.3627, 20.1946, 23.2997**.

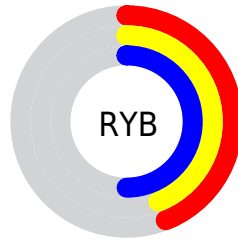
Distribution



Red (44%)

Green (44%)

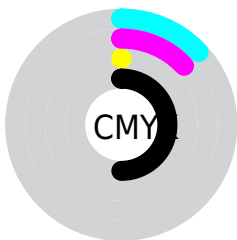
Blue (50%)



Red (44%)

Yellow (44%)

Blue (50%)

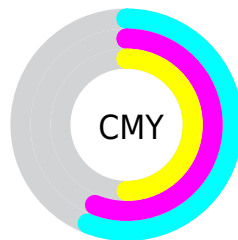


Cyan (13%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (56%)

Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1363, 16.3069, 22.7191 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 16.1363, 16.3069, 22.7191 by changing the saturation by 10% instead.

■ 16.1363, 16.3069,
22.7191

■ 16.1363, 16.3069,
22.7191

223.3993,
231.1459, 279.3539

■ 9.7121, 9.7416,
14.1829

■ 36.3902, 37.1302,
48.8490

■ 5.2693, 5.2280,
8.1078

■ 50.9506, 52.1569,
67.2798

■ 2.4425, 2.3816,
4.0752

■ 68.9539, 70.7730,
89.8458

■ 0.8663, 0.8164,
1.6667

■ 90.7652, 93.3626,
116.9657

■ 0.0000, 0.0000,
0.3378

116.7501,
120.3104, 149.0579

■ 0.0000, 0.0000,
0.0000

147.2738,

152.0006, 186.5410

182.7018,
188.8176, 229.8335

■ 16.1363, 16.3069,
22.7191

■ 16.1363, 16.3069,
22.7191

■ 13.3418, 12.9399,
22.2167

■ 19.3627, 20.1946,
23.2997

■ 10.9596, 10.0694,
21.7882

■ 23.0368, 24.6215,
23.9605

■ 8.9705, 7.6728,
21.4305

■ 27.1751, 29.6078,
24.7049

■ 7.3535, 5.7243,
21.1396

■ 31.7933, 35.1723,
25.5355

■ 6.0854, 4.1964,
20.9115

■ 36.9058, 41.3324,
26.4551

■ 5.1406, 3.0579,
20.7416

■ 42.5269, 48.1053,
27.4661

■ 4.4899, 2.2738,
20.6245

■ 48.6700, 55.5071,
28.5711

■ 4.0974, 1.8009,
20.5539

■ 55.3481, 63.5536,
29.7722

■ 3.8964, 1.5587,
20.5178

■ 62.5737, 72.2598,
31.0718

Harmonies

Analogous

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



15.2485, 16.3069, 23.0613



16.1363, 16.3069, 22.7191



16.8790, 16.3069, 20.9841

Triad

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



16.1363, 16.3069, 22.7191



16.5890, 16.3069, 14.1857



13.8664, 16.3069, 17.0432

Complementary

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



16.1363, 16.3069, 22.7191



19.4906, 21.1752, 18.0994

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.



14.1967, 16.3069, 14.8762



16.1363, 16.3069, 22.7191



15.7527, 16.3069, 13.3331

Square

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



16.1363, 16.3069, 22.7191



17.1473, 16.3069, 16.0155



14.8791, 16.3069, 13.5731



13.9603, 16.3069, 19.6171

Rectangle

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



16.1363, 16.3069, 22.7191



17.1808, 16.3069, 19.3545



14.8791, 16.3069, 13.5731



13.9311, 16.3069, 16.2470

Sweetspot

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



16.1368, 16.3076, 22.7195



33.6007, 34.9649, 40.9342



18.1527, 20.3692, 23.2995



7.7740, 8.0744, 9.5671



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.



16.1368, 16.3076, 22.7195



26.8121, 26.7851, 39.7132



17.2186, 16.8651, 22.7701



4.1089, 4.2118, 5.4097



3.8635, 1.5455, 20.3446



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4562, 17.1062, 17.4215



29.6166, 28.4828, 28.4516



18.3044, 20.5639, 18.0439



4.3278, 4.3443, 4.5306



8.8271, 4.5505, 0.4133



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1363, 16.3069, 22.7191 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 16.1363, 16.3069, 22.7191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

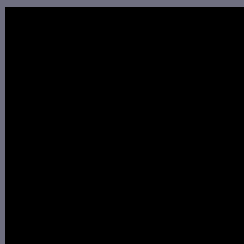
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

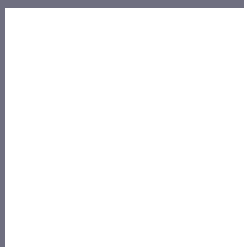
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1363, 16.3069, 22.7191

Background



This preview shows how black text looks on a background with the XYZ color 16.1363, 16.3069, 22.7191.



This preview shows how white text looks on a background with the XYZ color 16.1363, 16.3069,

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

16.1363, 16.3069, 22.7191

Protanopia

16.0111, 16.2424, 22.7133

Deuteranopia

16.5674, 16.2088, 22.6775



Tritanopia

15.6758, 16.2838, 20.4060

Trichromacy



Original Color

16.1363, 16.3069, 22.7191

Protanomaly

16.0111, 16.2424, 22.7133

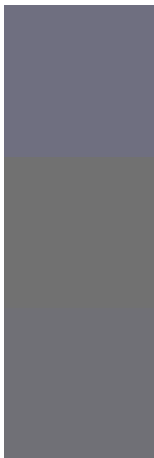
Deuteranomaly

16.4116, 16.2878, 22.7009

Tritanomaly

15.8627, 16.3586, 21.3903

Monochromacy



Original Color

16.1363, 16.3069, 22.7191

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7463, 16.3411, 19.4638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1363, 16.3069, 22.7191 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(111, 111, 128)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 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(111, 111, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.1363, 16.3069, 22.7191 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(111, 111, 128) }
```


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

```
.border{ border-color:rgb(111, 111, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 128);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1363, 16.3069, 22.7191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 128) }
```

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

```
.background{ background-color: rgb(111,  
111, 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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