

Converting Colors

XYZ(16.2207, 16.7397, 21.4911)

Have a look what the booklet for
XYZ(16.2207, 16.7397, 21.4911)
contains.

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Color

**XYZ(16.2253, 16.7102,
21.4390)**

Conversions

Conversions Part 1

Format	Color
Hex	70717C
RGB	112, 113, 124
RGB Percent	44%, 44%, 49%
CMY	0.5608, 0.5569, 0.5137
CMYK	0.10, 0.09, 0.00, 0.51
HSL	235°, 5%, 46%
HSV	235°, 10%, 49%
XYZ	16.2253, 16.7102, 21.4390
YIQ	113.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

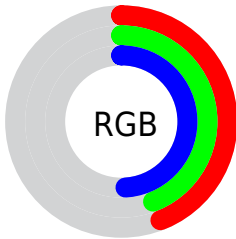
Format	Color
R_{YB}	112, 113, 124
Decimal	7369084
CIE Lab	47.89, 1.97, -6.19
CIE LCh	48, 6.498, 287.620
Yxy	16.7102, 0.2984, 0.3073
Android (android.graphics.Color)	4285559164 (0xFF70717C)
YUV	113.9550, 4.9522, -1.7145
Hunter-Lab	40.8781, -0.6866, -2.4807

Details

The XYZ color **16.2253, 16.7102, 21.4390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3199, 19.6208, 18.1512**, and the grayscale version is **15.9676, 16.7992, 18.2943**.

A 20% lighter version of the original color is **36.6014, 37.9374, 46.4678**, and **5.2746, 5.3786, 7.4168** is the 20% darker color. If you saturate the color by 10%, you get **13.5655, 13.5735, 20.9740**, and if you desaturate by 10%, it is **19.2623, 20.2780, 21.9678**.

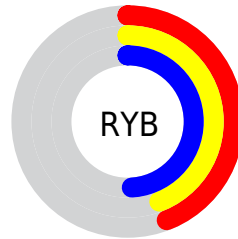
Distribution



Red (44%)

Green (44%)

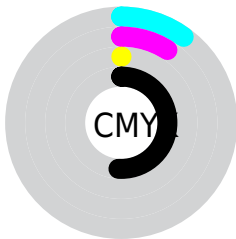
Blue (49%)



Red (44%)

Yellow (44%)

Blue (49%)

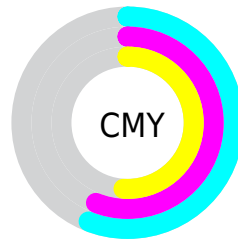


Cyan (10%)

Magenta (9%)

Yellow (0%)

Black (51%)



Cyan (56%)

Magenta (56%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2253, 16.7102, 21.4390 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 16.2253, 16.7102, 21.4390 by changing the saturation by 10% instead.

■ 16.2253, 16.7102,
21.4390

■ 16.2253, 16.7102,
21.4390

223.9119,
233.4968, 272.4597

■ 9.7756, 10.0281,
13.2509

■ 36.5432, 37.8268,
46.7073

■ 5.3115, 5.4176,
7.4688

■ 51.1421, 53.0301,
64.6245

■ 2.4678, 2.4943,
3.6741

■ 69.1881, 71.8426,
86.6219

■ 0.8791, 0.8738,
1.4483

■ 91.0465, 94.6487,
113.1179

■ 0.0000, 0.0000,
0.1790

117.0827,
121.8328, 144.5312

■ 0.0000, 0.0000,
0.0000

147.6621,

153.7792, 181.2802

183.1501,
190.8724, 223.7835

■ 16.2253, 16.7102,
21.4390

■ 16.2253, 16.7102,
21.4390

■ 13.5655, 13.5735,
20.9740

■ 19.2623, 20.2780,
21.9678

■ 11.2666, 10.8495,
20.5694

■ 22.6887, 24.2901,
22.5617

■ 9.3135, 8.5216,
20.2230

■ 26.5184, 28.7618,
23.2230

■ 7.6895, 6.5714,
19.9322

■ 30.7637, 33.7072,
23.9537

■ 6.3763, 4.9788,
19.6940

■ 35.4367, 39.1395,
24.7560

■ 5.3540, 3.7222,
19.5053

■ 40.5490, 45.0715,
25.6315

■ 4.6003, 2.7771,
19.3626

■ 46.1115, 51.5157,
26.5822

■ 4.0896, 2.1162,
19.2620

■ 52.1349, 58.4839,
27.6098

■ 3.7596, 1.6907,
19.1972

■ 58.6297, 65.9877,
28.7158

Harmonies

Analogous

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



15.6427, 16.7102, 21.5241



16.2253, 16.7102, 21.4390



16.7276, 16.7102, 20.4522

Triad

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



16.2253, 16.7102, 21.4390



16.6524, 16.7102, 15.9183



14.8096, 16.7102, 17.5130

Complementary

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



16.2253, 16.7102, 21.4390



18.3199, 19.6208, 18.1512

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.



15.0665, 16.7102, 16.1095



16.2253, 16.7102, 21.4390



16.1248, 16.7102, 15.2274

Square

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



16.2253, 16.7102, 21.4390



16.9783, 16.7102, 17.2372



15.5446, 16.7102, 15.2952



14.8350, 16.7102, 19.1867

Rectangle

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



16.2253, 16.7102, 21.4390



16.9450, 16.7102, 19.4482



15.5446, 16.7102, 15.2952



14.8655, 16.7102, 16.9960

Sweetspot

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



16.2258, 16.7109, 21.4394



32.0073, 33.4670, 38.3294



17.4527, 19.2854, 21.4762



7.4451, 7.7727, 9.0109



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.



16.2258, 16.7109, 21.4394



27.2696, 27.8954, 37.5037



16.7418, 16.8120, 21.4317



3.8221, 3.9424, 5.0027



3.8117, 1.7058, 19.5136



17.9115, 7.5956, 92.9919

Inverse Universe

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



17.0874, 17.0661, 18.0170



29.1638, 28.6830, 29.9782



17.7678, 19.5215, 18.1611



4.0106, 4.0200, 4.2537



8.5073, 4.3791, 0.6964



40.4440, 20.8340, 2.6025

Previews

White Background



This preview shows how the XYZ color 16.2253, 16.7102, 21.4390 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 16.2253, 16.7102, 21.4390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

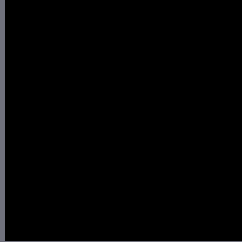
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

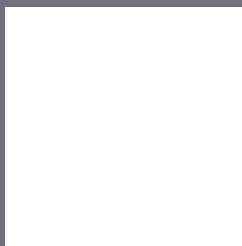
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2253, 16.7102, 21.4390

Background



This preview shows how black text looks on a background with the XYZ color 16.2253, 16.7102, 21.4390.



This preview shows how white text looks on a background with the XYZ color 16.2253, 16.7102,

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

16.2253, 16.7102, 21.4390

Protanopia

16.3533, 16.7762, 21.4450

Deuteranopia

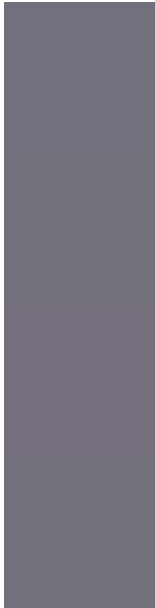
17.0233, 16.6256, 21.7139



Tritanopia

16.1001, 16.6601, 20.7795

Trichromacy



Original Color

16.2253, 16.7102, 21.4390

Protanomaly

16.3533, 16.7762, 21.4450

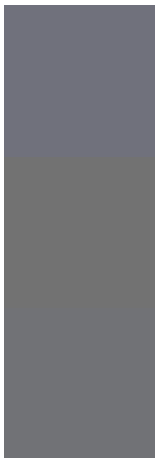
Deuteranomaly

16.7222, 16.6315, 21.7309

Tritanomaly

16.1624, 16.6851, 21.1076

Monochromacy



Original Color

16.2253, 16.7102, 21.4390

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0974, 16.8533, 19.5441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2253, 16.7102, 21.4390 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(112, 113, 124)` looks like.

```
.text, #text, p{  
    color:rgb(112, 113, 124)  
}
```

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(112, 113, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 113, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.2253, 16.7102, 21.4390 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(112, 113, 124) }
```


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

```
.border{ border-color:rgb(112, 113, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 113, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 113, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 113, 124);  
box-shadow:4px 4px 4px 4px rgb(112, 113,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2253, 16.7102, 21.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 113, 124) }
```

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

```
.background{ background-color: rgb(112,  
113, 124) }
```

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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