

Converting Colors

XYZ(17.1742, 16.2531, 35.9501)

Have a look what the booklet for
XYZ(17.1742, 16.2531, 35.9501)
contains.

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Color

**XYZ(17.1572, 16.2198,
35.9447)**

Conversions

Conversions Part 1

Format	Color
Hex	646DA1
RGB	100, 109, 161
RGB Percent	39%, 43%, 63%
CMY	0.6078, 0.5725, 0.3686
CMYK	0.38, 0.32, 0.00, 0.37
HSL	231°, 24%, 51%
HSV	231°, 38%, 63%
XYZ	17.1572, 16.2198, 35.9447
YIQ	112.2370, -22.0560, 14.2640

Conversions

Conversions Part 2

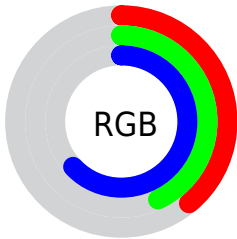
Format	Color
R_{YB}	100, 108, 161
Decimal	6581665
CIE _{Lab}	47.26, 9.90, -29.15
CIE _{LCh}	47, 30.789, 288.756
Yxy	16.2198, 0.2475, 0.2340
Android (android.graphics.Color)	4284771745 (0xFF646DA1)
YUV	112.2370, 24.0402, -10.7318
Hunter-Lab	40.2738, 5.5643, -24.7251

Details

The XYZ color **17.1572, 16.2198, 35.9447** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.2270, 30.9543, 16.5444**, and the grayscale version is **15.4074, 16.2097, 17.6524**.

A 20% lighter version of the original color is **38.1023, 36.8718, 70.0745**, and **5.7496, 5.2023, 15.1691** is the 20% darker color. If you saturate the color by 10%, you get **14.1978, 12.6880, 35.4193**, and if you desaturate by 10%, it is **20.6983, 20.3915, 36.5636**.

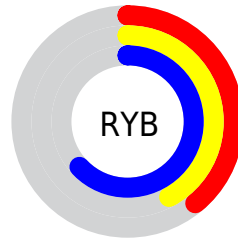
Distribution



Red (39%)

Green (43%)

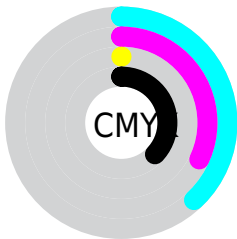
Blue (63%)



Red (39%)

Yellow (42%)

Blue (63%)

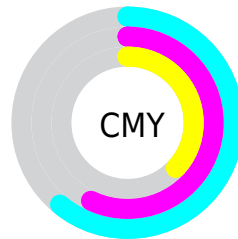


Cyan (38%)

Magenta (32%)

Yellow (0%)

Black (37%)



Cyan (61%)

Magenta (57%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1572, 16.2198, 35.9447 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 17.1572, 16.2198, 35.9447 by changing the saturation by 10% instead.

■ 17.1572, 16.2198,
35.9447

■ 17.1572, 16.2198,
35.9447

229.2153,
230.6352, 343.7489

■ 10.4426, 9.6798,
24.1021

■ 38.1373, 36.9794,
70.1148

■ 5.7579, 5.1872,
15.1965

■ 53.1336, 51.9677,
93.2794

■ 2.7377, 2.3575,
8.8093

■ 71.6211, 70.5411,
121.0551

■ 1.0166, 0.8039,
4.5219

■ 93.9652, 93.0837,
153.8604

■ 0.0000, 0.0000,
1.9158

120.5314,
119.9800, 192.1139

■ 0.0000, 0.0000,
0.5027

151.6849,

■ 0.0000, 0.0000,

151.6145, 236.2341

0.0000

187.7910,
188.3714, 286.6396

■ 17.1572, 16.2198,
35.9447

■ 17.1572, 16.2198,
35.9447

■ 14.1978, 12.6880,
35.4193

■ 20.6983, 20.3915,
36.5636

■ 11.7869, 9.7624,
34.9816

■ 24.8485, 25.2309,
37.2789

■ 9.8907, 7.4088,
34.6273

■ 29.6352, 30.7664,
38.0951

■ 8.4708, 5.5891,
34.3509

■ 35.0840, 37.0242,
39.0158

■ 7.4831, 4.2600,
34.1464

■ 41.2189, 44.0292,
40.0446

■ 6.8597, 3.3632,
34.0062

■ 48.0627, 51.8048,
41.1847

■ 6.7546, 3.2164,
33.9834

■ 55.6371, 60.3738,
42.4395

■ 63.9629, 69.7578,
43.8119

■ 73.0602, 79.9776,
45.3051

Harmonies

Analogous

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



14.4204, 16.2198, 36.7652



17.1572, 16.2198, 35.9447



19.6858, 16.2198, 29.4693

Triad

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



17.1572, 16.2198, 35.9447



19.1219, 16.2198, 8.6333



10.8408, 16.2198, 14.9019

Complementary

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



17.1572, 16.2198, 35.9447



28.2270, 30.9543, 16.5444

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.



11.8138, 16.2198, 9.5218



17.1572, 16.2198, 35.9447



16.4573, 16.2198, 6.6783

Square

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



17.1572, 16.2198, 35.9447



20.9088, 16.2198, 13.2751



13.7976, 16.2198, 6.9470



10.9815, 16.2198, 22.9190

Rectangle

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



17.1572, 16.2198, 35.9447



20.8139, 16.2198, 23.6530



13.7976, 16.2198, 6.9470



11.0435, 16.2198, 12.7768

Sweetspot

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



17.1578, 16.2204, 35.9451



50.0985, 51.6673, 67.7188



23.6561, 30.4616, 34.2747



10.7482, 11.0551, 14.8110



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.1578, 16.2204, 35.9451



26.4273, 23.9243, 63.6115



18.9251, 15.7785, 35.7666



6.7809, 7.0208, 8.9008



5.4143, 2.6079, 27.1478



0.1365, 0.1004, 0.5780

Inverse Universe

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



22.0159, 17.7962, 16.7432



36.4090, 27.4145, 24.1021



25.8020, 31.9554, 16.8654



7.1144, 7.1022, 7.5888



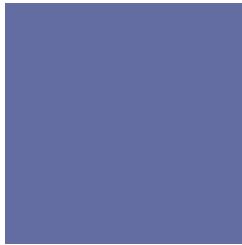
11.8783, 6.1074, 1.2840



0.2611, 0.1329, 0.0875

Previews

White Background



This preview shows how the XYZ color 17.1572, 16.2198, 35.9447 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 17.1572, 16.2198, 35.9447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

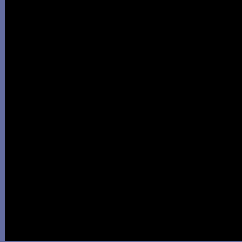
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.1572, 16.2198, 35.9447

Background



This preview shows how black text looks on a background with the XYZ color 17.1572, 16.2198, 35.9447.



This preview shows how white text looks on a background with the XYZ color 17.1572, 16.2198,

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

17.1572, 16.2198, 35.9447

Protanopia

16.8168, 16.1934, 36.4217

Deuteranopia

16.6317, 16.2692, 35.9819



Tritanopia

14.2614, 16.1956, 21.7764

Trichromacy



Original Color

17.1572, 16.2198, 35.9447

Protanomaly

17.0273, 16.3019, 36.4316

Deuteranomaly

16.8328, 16.2119, 35.9602

Tritanomaly

15.1087, 16.0249, 26.3416

Monochromacy



Original Color

17.1572, 16.2198, 35.9447

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8980, 16.1687, 23.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1572, 16.2198, 35.9447 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, 109, 161)` looks like.

```
.text, #text, p{  
    color:rgb(100, 109, 161)  
}
```

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, 109, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 109, 161) }
```

Border

The CSS property to change the border of an element to XYZ 17.1572, 16.2198, 35.9447 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, 109, 161) }
```


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

```
.border{ border-color:rgb(100, 109, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 109, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 109, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 109, 161);  
box-shadow:4px 4px 4px 4px rgb(100, 109,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1572, 16.2198, 35.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 109, 161) }
```

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

```
.background{ background-color: rgb(100,  
109, 161) }
```

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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