

Converting Colors

XYZ(17.1235, 15.7112, 30.1056)

Have a look what the booklet for
XYZ(17.1235, 15.7112, 30.1056)
contains.

XYZ(17.0790, 15.6860, 30.1445)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.0790, 15.6860,
30.1445)**

Conversions

Conversions Part 1

Format	Color
Hex	706994
RGB	112, 105, 148
RGB Percent	44%, 41%, 58%
CMY	0.5608, 0.5882, 0.4196
CMYK	0.24, 0.29, 0.00, 0.42
HSL	250°, 17%, 50%
HSV	250°, 29%, 58%
XYZ	17.0790, 15.6860, 30.1445
YIQ	111.9950, -9.6310, 14.8570

Conversions

Conversions Part 2

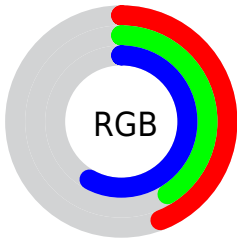
Format	Color
RYB	112, 105, 148
Decimal	7367060
CIELab	46.56, 12.49, -22.49
CIElCh	47, 25.726, 299.056
Yxy	15.6860, 0.2715, 0.2493
Android (android.graphics.Color)	4285557140 (0xFF706994)
YUV	111.9950, 17.7505, 0.0044
Hunter-Lab	39.6056, 7.6644, -17.4028

Details

The XYZ color **17.0790, 15.6860, 30.1445** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.1245, 27.8627, 17.4717**, and the grayscale version is **15.3517, 16.1512, 17.5886**.

A 20% lighter version of the original color is **37.8590, 35.9337, 60.8176**, and **5.7206, 4.9459, 11.9624** is the 20% darker color. If you saturate the color by 10%, you get **14.2313, 12.1718, 29.6166**, and if you desaturate by 10%, it is **20.4071, 19.8380, 30.7708**.

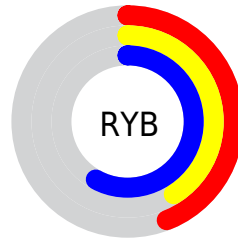
Distribution



Red (44%)

Green (41%)

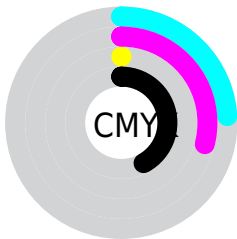
Blue (58%)



Red (44%)

Yellow (41%)

Blue (58%)

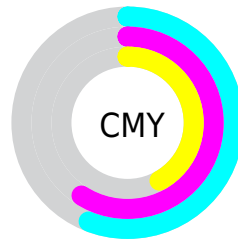


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (59%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0790, 15.6860, 30.1445 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 17.0790, 15.6860, 30.1445 by changing the saturation by 10% instead.

■ 17.0790, 15.6860,
30.1445

■ 17.0790, 15.6860,
30.1445

228.7746,
227.4817, 316.8057

■ 10.3865, 9.3022,
19.6953

■ 38.0041, 36.0522,
60.9543

■ 5.7202, 4.9388,
11.9919

■ 52.9673, 50.8035,
82.1520

■ 2.7147, 2.2114,
6.6157

■ 71.4182, 69.1127,
107.7697

■ 1.0048, 0.7262,
3.1482

■ 93.7221, 91.3642,
138.2258

■ 0.0000, 0.0000,
1.1708

120.2443,
117.9425, 173.9389

■ 0.0000, 0.0000,
0.0000

151.3503,

149.2319, 215.3276

187.4052,
185.6168, 262.8103

■ 17.0790, 15.6860,
30.1445

■ 17.0790, 15.6860,
30.1445

■ 14.2313, 12.1718,
29.6166

■ 20.4071, 19.8380,
30.7708

■ 11.8399, 9.2619,
29.1809

■ 24.2350, 24.6554,
31.4989

■ 9.8813, 6.9223,
28.8326

■ 28.5828, 30.1665,
32.3335

■ 8.3289, 5.1151,
28.5656

■ 33.4691, 36.3975,
33.2786

■ 7.1532, 3.7976,
28.3732

■ 38.9116, 43.3729,
34.3382

■ 6.3204, 2.9203,
28.2478

■ 44.9271, 51.1164,
35.5158

■ 5.7681, 2.3787,
28.1723

■ 51.5318, 59.6504,
36.8149

■ 5.7243, 2.3335,
28.1659

■ 58.7412, 68.9966,
38.2389

■ 66.5702, 79.1757,
39.7910

Harmonies

Analogous

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



14.8389, 15.6860, 32.4445



17.0790, 15.6860, 30.1445



18.8766, 15.6860, 24.1657

Triad

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



17.0790, 15.6860, 30.1445



17.2127, 15.6860, 8.5958



11.0365, 15.6860, 16.8788

Complementary

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



17.0790, 15.6860, 30.1445



24.1245, 27.8627, 17.4717

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.



11.5405, 15.6860, 11.5345



17.0790, 15.6860, 30.1445



14.9795, 15.6860, 7.5425

Square

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



17.0790, 15.6860, 30.1445



18.9590, 15.6860, 11.8051



12.9312, 15.6860, 8.4690



11.4813, 15.6860, 23.7287

Rectangle

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



17.0790, 15.6860, 30.1445



19.5034, 15.6860, 19.5062



12.9312, 15.6860, 8.4690



11.0997, 15.6860, 14.8627

Sweetspot

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



17.0795, 15.6866, 30.1449



42.6698, 43.3875, 55.5603



20.7776, 24.3541, 31.6229



9.5223, 9.6289, 12.6415



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.0795, 15.6866, 30.1449



26.7039, 23.4347, 52.5505



20.0623, 17.2243, 30.2844



5.5823, 5.6756, 7.2710



4.9059, 2.0017, 24.0588



0.0767, 0.0331, 0.2952

Inverse Universe

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



22.0724, 18.3227, 27.5728



37.0699, 28.9122, 46.9954



20.8928, 26.1967, 17.3205



5.9952, 5.8931, 7.0808



13.5425, 6.6220, 16.8695



0.1745, 0.0845, 0.2523

Previews

White Background



This preview shows how the XYZ color 17.0790, 15.6860, 30.1445 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 17.0790, 15.6860, 30.1445 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 17.0790, 15.6860, 30.1445

Background



This preview shows how black text looks on a background with the XYZ color 17.0790, 15.6860, 30.1445.



This preview shows how white text looks on a background with the XYZ color 17.0790, 15.6860,

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

17.0790, 15.6860, 30.1445

Protanopia

16.0916, 15.7683, 31.4736

Deuteranopia

16.1019, 15.8106, 29.8068



Tritanopia

15.0776, 15.8266, 19.7129

Trichromacy



Original Color

17.0790, 15.6860, 30.1445

Protanomaly

16.4611, 15.8107, 31.0383

Deuteranomaly

16.4547, 15.8350, 29.7930

Tritanomaly

15.8046, 15.8002, 23.3358

Monochromacy



Original Color

17.0790, 15.6860, 30.1445

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8524, 15.8627, 21.6283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0790, 15.6860, 30.1445 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, 105, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 105, 148)  
}
```

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, 105, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 105, 148) }
```

Border

The CSS property to change the border of an element to XYZ 17.0790, 15.6860, 30.1445 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, 105, 148) }
```


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

```
.border{ border-color:rgb(112, 105, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 105, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 105, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 105, 148);  
box-shadow:4px 4px 4px 4px rgb(112, 105,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0790, 15.6860, 30.1445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 105, 148) }
```

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

```
.background{ background-color: rgb(112,  
105, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor