

Converting Colors

XYZ(18.3262, 17.4375, 32.9719)

Have a look what the booklet for
XYZ(18.3262, 17.4375, 32.9719)
contains.

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Color

**XYZ(18.3090, 17.3662,
32.9589)**

Conversions

Conversions Part 1

Format	Color
Hex	70709A
RGB	112, 112, 154
RGB Percent	44%, 44%, 60%
CMY	0.5608, 0.5608, 0.3961
CMYK	0.27, 0.27, 0.00, 0.40
HSL	240°, 17%, 52%
HSV	240°, 27%, 60%
XYZ	18.3090, 17.3662, 32.9589
YIQ	116.7880, -13.4820, 13.0620

Conversions

Conversions Part 2

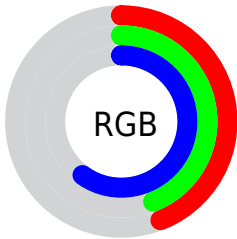
Format	Color
R_{YB}	112, 112, 154
Decimal	7368858
CIE Lab	48.72, 9.81, -22.70
CIE LCh	49, 24.732, 293.364
Yxy	17.3662, 0.2668, 0.2530
Android (android.graphics.Color)	4285558938 (0xFF70709A)
YUV	116.7880, 18.3455, -4.1991
Hunter-Lab	41.6728, 5.4969, -17.7214

Details

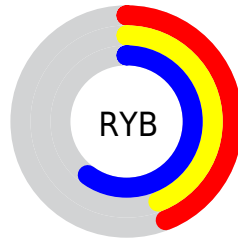
The XYZ color **18.3090, 17.3662, 32.9589** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.8069, 31.1512, 19.8770**, and the grayscale version is **16.7915, 17.6660, 19.2382**.

A 20% lighter version of the original color is **40.3011, 39.1537, 65.7549**, and **6.3315, 5.7028, 13.5990** is the 20% darker color. If you saturate the color by 10%, you get **14.9583, 13.3288, 32.3565**, and if you desaturate by 10%, it is **22.2866, 22.1590, 33.6746**.

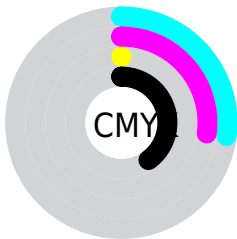
Distribution



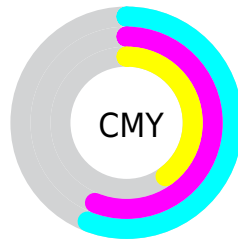
- Red (44%)
- Green (44%)
- Blue (60%)



- Red (44%)
- Yellow (44%)
- Blue (60%)



- Cyan (27%)
- Magenta (27%)
- Yellow (0%)
- Black (40%)



- Cyan (56%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3090, 17.3662, 32.9589 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 18.3090, 17.3662, 32.9589 by changing the saturation by 10% instead.

■ 18.3090, 17.3662,
32.9589

■ 18.3090, 17.3662,
32.9589

235.6190,
237.2739, 330.0908

■ 11.2731, 10.4959,
21.8241

■ 40.0891, 38.9543,
65.4266

■ 6.3195, 5.7290,
13.5306

■ 55.5640, 54.4410,
87.5966

■ 3.0828, 2.6810,
7.6599

■ 74.5827, 73.5686,
114.2821

■ 1.1977, 0.9676,
3.7935

■ 97.5104, 96.7214,
145.9017

■ 0.1046, 0.0000,
1.5128

124.7125,
124.2840, 182.8738

■ 0.0000, 0.0000,
0.2274

156.5544,

■ 0.0000, 0.0000,

156.6407, 225.6169

0.0000

193.4015,
194.1759, 274.5498

■ 18.3090, 17.3662,
32.9589

■ 18.3090, 17.3662,
32.9589

■ 14.9583, 13.3288,
32.3565

■ 22.2866, 22.1590,
33.6746

■ 12.2010, 10.0064,
31.8605

■ 26.9190, 27.7407,
34.5079

■ 10.0029, 7.3579,
31.4652

■ 32.2345, 34.1454,
35.4640

■ 8.3260, 5.3373,
31.1636

■ 38.2591, 41.4047,
36.5476

■ 7.1271, 3.8927,
30.9479

■ 45.0176, 49.5481,
37.7632

■ 6.3565, 2.9641,
30.8093

■ 52.5335, 58.6043,
39.1151

■ 5.9310, 2.4515,
30.7328

■ 60.8293, 68.6001,
40.6073

■ 5.8328, 2.3332,
30.7151

■ 69.9266, 79.5617,
42.2436

■ 79.8461, 91.5139,
44.0278

Harmonies

Analogous

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



16.0039, 17.3662, 34.3492



18.3090, 17.3662, 32.9589



20.2855, 17.3662, 27.4477

Triad

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



18.3090, 17.3662, 32.9589



19.2669, 17.3662, 10.5077



12.5180, 17.3662, 17.4927

Complementary

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



18.3090, 17.3662, 32.9589



27.8069, 31.1512, 19.8770

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.



13.2279, 17.3662, 12.3546



18.3090, 17.3662, 32.9589



17.0186, 17.3662, 8.9677

Square

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



18.3090, 17.3662, 32.9589



20.8732, 17.3662, 14.3481



14.8255, 17.3662, 9.5558



12.7949, 17.3662, 24.3461

Rectangle

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



18.3090, 17.3662, 32.9589



21.0799, 17.3662, 22.7417



14.8255, 17.3662, 9.5558



12.6468, 17.3662, 15.5328

Sweetspot

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



18.3096, 17.3669, 32.9593



48.1029, 49.4321, 62.5423



24.0127, 28.8662, 34.5735



10.6018, 10.8440, 14.1047



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.3096, 17.3669, 32.9593



29.2429, 26.7071, 59.1500



21.1901, 18.8517, 33.0941



5.8845, 6.0263, 7.7820



4.7521, 1.9009, 25.0241



0.0710, 0.0284, 0.3741

Inverse Universe

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



22.0457, 19.6288, 17.9568



37.2398, 31.5485, 27.0383



24.2644, 29.3252, 19.7112



6.2088, 6.2227, 6.4797



10.8574, 5.5972, 0.5082



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 18.3090, 17.3662, 32.9589 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 18.3090, 17.3662, 32.9589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

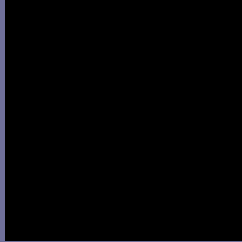
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3090, 17.3662, 32.9589

Background



This preview shows how black text looks on a background with the XYZ color 18.3090, 17.3662, 32.9589.



This preview shows how white text looks on a background with the XYZ color 18.3090, 17.3662,

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

18.3090, 17.3662, 32.9589

Protanopia

17.7270, 17.3780, 33.8725

Deuteranopia

17.7939, 17.4319, 32.9987



Tritanopia

16.0710, 17.2931, 22.2295

Trichromacy



Original Color

18.3090, 17.3662, 32.9589

Protanomaly

17.8849, 17.3026, 33.4074

Deuteranomaly

17.9222, 17.3315, 32.9726

Tritanomaly

16.7590, 17.2272, 25.7344

Monochromacy



Original Color

18.3090, 17.3662, 32.9589

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2302, 17.5180, 23.5923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3090, 17.3662, 32.9589 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, 112, 154)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 154)  
}
```

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, 112, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.3090, 17.3662, 32.9589 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, 112, 154) }
```


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

```
.border{ border-color:rgb(112, 112, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 154);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3090, 17.3662, 32.9589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 154) }
```

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

```
.background{ background-color: rgb(112,  
112, 154) }
```

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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