

Converting Colors

XYZ(18.5654, 16.6580, 36.1440)

Have a look what the booklet for
XYZ(18.5654, 16.6580, 36.1440)
contains.

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Color

**XYZ(18.5008, 16.5993,
35.9471)**

Conversions

Conversions Part 1

Format	Color
Hex	716BA1
RGB	113, 107, 161
RGB Percent	44%, 42%, 63%
CMY	0.5569, 0.5804, 0.3686
CMYK	0.30, 0.34, 0.00, 0.37
HSL	247°, 22%, 53%
HSV	247°, 34%, 63%
XYZ	18.5008, 16.5993, 35.9471
YIQ	114.9500, -13.7580, 18.0660

Conversions

Conversions Part 2

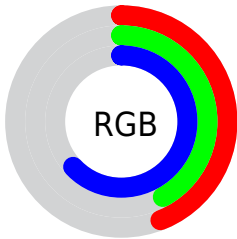
Format	Color
R_{YB}	113, 107, 161
Decimal	7433121
CIE _{Lab}	47.75, 14.98, -28.31
CIE _{LCh}	48, 32.032, 297.884
Yxy	16.5993, 0.2604, 0.2336
Android (android.graphics.Color)	4285623201 (0xFF716BA1)
YUV	114.9500, 22.7026, -1.7102
Hunter-Lab	40.7422, 9.7568, -23.7923

Details

The XYZ color **18.5008, 16.5993, 35.9471** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.9165, 33.5201, 18.8565**, and the grayscale version is **16.2174, 17.0620, 18.5805**.

A 20% lighter version of the original color is **40.3474, 37.5186, 70.0810**, and **6.4261, 5.3926, 15.1702** is the 20% darker color. If you saturate the color by 10%, you get **15.2778, 12.6740, 35.3596**, and if you desaturate by 10%, it is **22.3279, 21.3007, 36.6531**.

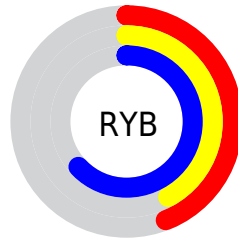
Distribution



Red (44%)

Green (42%)

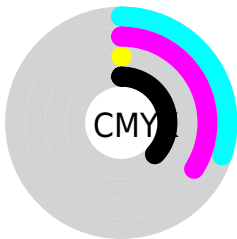
Blue (63%)



Red (44%)

Yellow (42%)

Blue (63%)

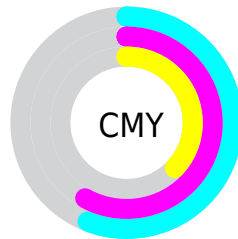


Cyan (30%)

Magenta (34%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (58%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5008, 16.5993, 35.9471 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 18.5008, 16.5993, 35.9471 by changing the saturation by 10% instead.

■ 18.5008, 16.5993,
35.9471

■ 18.5008, 16.5993,
35.9471

236.6702,
232.8526, 343.7597

■ 11.4120, 9.9492,
24.1040

■ 40.4123, 37.6355,
70.1185

■ 6.4140, 5.3653,
15.1979

■ 55.9657, 52.7905,
93.2839

■ 3.1414, 2.4632,
8.8102

■ 75.0713, 71.5492,
121.0605

■ 1.2290, 0.8581,
4.5225

■ 98.0945, 94.2960,
153.8667

■ 0.1291, 0.0000,
1.9161

125.4006,
121.4153, 192.1213

■ 0.0000, 0.0000,
0.5030

157.3550,

■ 0.0000, 0.0000,

153.2916, 236.2426

0.0000

194.3231,
190.3092, 286.6492

■ 18.5008, 16.5993,
35.9471

■ 18.5008, 16.5993,
35.9471

■ 15.2778, 12.6740,
35.3596

■ 22.3279, 21.3007,
36.6531

■ 12.6261, 9.4810,
34.8831

■ 26.7860, 26.8147,
37.4825

■ 10.5126, 6.9753,
34.5108

■ 31.9026, 33.1782,
38.4411

■ 8.9000, 5.1060,
34.2350

■ 37.7030, 40.4248,
39.5341

■ 7.7461, 3.8151,
34.0466

■ 44.2112, 48.5868,
40.7665

■ 7.0016, 3.0340,
33.9351

■ 51.4499, 57.6944,
42.1429

■ 6.6805, 2.7008,
33.8877

■ 59.4409, 67.7766,
43.6678

■ 68.2052, 78.8613,
45.3455

■ 77.7628, 90.9751,
47.1799

Harmonies

Analogous

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



15.5743, 16.5993, 38.9095



18.5008, 16.5993, 35.9471



20.9268, 16.5993, 27.8430

Triad

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



18.5008, 16.5993, 35.9471



18.8959, 16.5993, 7.7220



10.8808, 16.5993, 17.4968

Complementary

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



18.5008, 16.5993, 35.9471



28.9165, 33.5201, 18.8565

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.



11.5502, 16.5993, 10.9076



18.5008, 16.5993, 35.9471



15.9817, 16.5993, 6.4354

Square

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



18.5008, 16.5993, 35.9471



21.1737, 16.5993, 11.6452



13.3348, 16.5993, 7.3958



11.3856, 16.5993, 26.5170

Rectangle

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



18.5008, 16.5993, 35.9471



21.8098, 16.5993, 21.5973



13.3348, 16.5993, 7.3958



10.9741, 16.5993, 14.9561

Sweetspot

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



18.5014, 16.5999, 35.9475



50.9086, 51.6695, 67.6766



24.3183, 29.3423, 38.1004



10.9088, 11.0137, 14.7945



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.



18.5014, 16.5999, 35.9475



28.8652, 24.5229, 63.5986



22.4056, 18.6126, 36.1302



6.7702, 6.8959, 8.8773



5.3542, 2.1666, 27.0658



0.1328, 0.0560, 0.5697

Inverse Universe

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



25.8724, 20.4595, 33.5959



44.1174, 32.5149, 58.4754



24.3918, 31.1875, 18.6447



7.3303, 7.1886, 8.7256



15.7145, 7.6418, 21.4848



0.3392, 0.1642, 0.4988

Previews

White Background



This preview shows how the XYZ color 18.5008, 16.5993, 35.9471 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 18.5008, 16.5993, 35.9471 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 18.5008, 16.5993, 35.9471

Background



This preview shows how black text looks on a background with the XYZ color 18.5008, 16.5993, 35.9471.



This preview shows how white text looks on a background with the XYZ color 18.5008, 16.5993,

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

18.5008, 16.5993, 35.9471

Protanopia

17.2998, 16.5723, 37.8843

Deuteranopia

16.9632, 16.6132, 35.5703



Tritanopia

15.4811, 16.4931, 21.4363

Trichromacy



Original Color

18.5008, 16.5993, 35.9471

Protanomaly

17.7563, 16.6570, 37.4012

Deuteranomaly

17.4006, 16.5147, 35.5283

Tritanomaly

16.3841, 16.3632, 25.9618

Monochromacy



Original Color

18.5008, 16.5993, 35.9471

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8985, 16.8317, 24.1880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5008, 16.5993, 35.9471 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(113, 107, 161)` looks like.

```
.text, #text, p{  
    color:rgb(113, 107, 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(113, 107, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 107, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.5008, 16.5993, 35.9471 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(113, 107, 161) }
```


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

```
.border{ border-color:rgb(113, 107, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 107, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 107, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 107, 161);  
box-shadow:4px 4px 4px 4px rgb(113, 107,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5008, 16.5993, 35.9471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 107, 161) }
```

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

```
.background{ background-color: rgb(113,  
107, 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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