

Converting Colors

XYZ(18.2155, 15.0925, 39.9587)

Have a look what the booklet for
XYZ(18.2155, 15.0925, 39.9587)
contains.

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Color

**XYZ(18.1789, 15.0172,
39.9707)**

Conversions

Conversions Part 1

Format	Color
Hex	6F62AA
RGB	111, 98, 170
RGB Percent	44%, 38%, 67%
CMY	0.5647, 0.6157, 0.3333
CMYK	0.35, 0.42, 0.00, 0.33
HSL	251°, 30%, 53%
HSV	251°, 42%, 67%
XYZ	18.1789, 15.0172, 39.9707
YIQ	110.0950, -15.3640, 25.1480

Conversions

Conversions Part 2

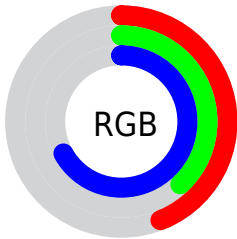
Format	Color
R _Y B	111, 98, 170
Decimal	7299754
CIE Lab	45.66, 22.31, -36.90
CIE LCh	46, 43.121, 301.163
Yxy	15.0172, 0.2485, 0.2052
Android (android.graphics.Color)	4285489834 (0xFF6F62AA)
YUV	110.0950, 29.5332, 0.7937
Hunter-Lab	38.7520, 15.9198, -34.0281

Details

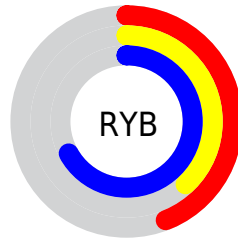
The XYZ color **18.1789, 15.0172, 39.9707** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.4844, 36.7998, 17.0522**, and the grayscale version is **14.7698, 15.5390, 16.9220**.

A 20% lighter version of the original color is **39.9920, 34.9852, 76.5965**, and **6.1983, 4.5818, 17.3873** is the 20% darker color. If you saturate the color by 10%, you get **15.1357, 11.3328, 39.4202**, and if you desaturate by 10%, it is **21.8344, 19.5192, 40.6473**.

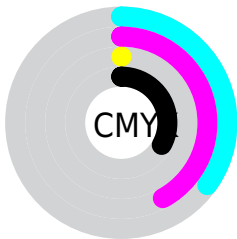
Distribution



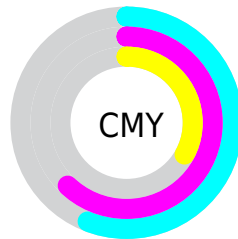
- Red (44%)
- Green (38%)
- Blue (67%)



- Red (44%)
- Yellow (38%)
- Blue (67%)



- Cyan (35%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)



- Cyan (56%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1789, 15.0172, 39.9707 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 18.1789, 15.0172, 39.9707 by changing the saturation by 10% instead.

■ 18.1789, 15.0172,
39.9707

■ 18.1789, 15.0172,
39.9707

234.9036,
223.4703, 361.5485

■ 11.1790, 8.8315,
27.2021

■ 39.8696, 34.8834,
76.3555

■ 6.2555, 4.6314,
17.4913

■ 55.2911, 49.3325,
100.8088

■ 3.0432, 2.0327,
10.4197

■ 74.2505, 67.3050,
129.9940

■ 1.1767, 0.6263,
5.5689

■ 97.1132, 89.1852,
164.3297

■ 0.0878, 0.0000,
2.5203

124.2445,
115.3574, 204.2345

■ 0.0000, 0.0000,
0.8509

156.0098,

■ 0.0000, 0.0000,

146.2060, 250.1268

0.0000

192.7744,
182.1155, 302.4253

■ 18.1789, 15.0172,
39.9707

■ 18.1789, 15.0172,
39.9707

■ 15.1357, 11.3328,
39.4202

■ 21.8344, 19.5192,
40.6473

■ 12.6690, 8.4148,
38.9870

■ 26.1320, 24.8827,
41.4560

■ 10.7415, 6.2084,
38.6627

■ 31.1016, 31.1503,
42.4039

■ 9.3110, 4.6511,
38.4375

■ 36.7707, 38.3612,
43.4969

■ 8.3281, 3.6688,
38.2997

■ 43.1651, 46.5525,
44.7410

■ 7.8117, 3.1889,
38.2343

■ 50.3094, 55.7591,
46.1415

■ 58.2272, 66.0143,
47.7036

■ 66.9407, 77.3499,
49.4324

■ 76.4714, 89.7961,
51.3324

Harmonies

Analogous

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



14.4149, 15.0172, 45.4026



18.1789, 15.0172, 39.9707



21.2654, 15.0172, 27.9480

Triad

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



18.1789, 15.0172, 39.9707



17.8934, 15.0172, 4.3810



8.3931, 15.0172, 16.7584

Complementary

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



18.1789, 15.0172, 39.9707



30.4844, 36.7998, 17.0522

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.



9.0114, 15.0172, 8.5094



18.1789, 15.0172, 39.9707



14.1328, 15.0172, 3.4349

Square

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



18.1789, 15.0172, 39.9707



21.0820, 15.0172, 8.0648



10.9716, 15.0172, 4.5510



9.1156, 15.0172, 28.9600

Rectangle

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



18.1789, 15.0172, 39.9707



22.2980, 15.0172, 19.6023



10.9716, 15.0172, 4.5510



8.4501, 15.0172, 13.4810

Sweetspot

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



18.1795, 15.0178, 39.9711



55.5827, 55.4453, 76.7744



24.5200, 29.9531, 42.5197



11.9426, 11.7923, 17.0344



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.1795, 15.0178, 39.9711



27.6759, 20.8184, 71.5615



23.4779, 17.7492, 40.2190



7.2535, 7.3633, 9.4573



5.7816, 2.3640, 28.1271



0.1760, 0.0757, 0.6860

Inverse Universe

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



27.0315, 19.7163, 34.2796



46.1079, 30.6176, 58.9982



24.6059, 33.7693, 16.7771



7.7829, 7.6430, 9.1741



15.6579, 7.6719, 18.8078



0.3957, 0.1925, 0.5351

Previews

White Background



This preview shows how the XYZ color 18.1789, 15.0172, 39.9707 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 18.1789, 15.0172, 39.9707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

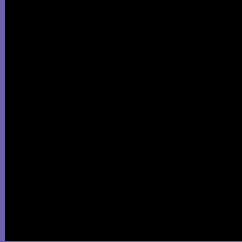
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1789, 15.0172, 39.9707

Background



This preview shows how black text looks on a background with the XYZ color 18.1789, 15.0172, 39.9707.

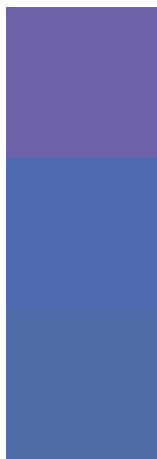


This preview shows how white text looks on a background with the XYZ color 18.1789, 15.0172,

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

18.1789, 15.0172, 39.9707

Protanopia

16.3981, 15.1879, 43.6622

Deuteranopia

15.4910, 15.1301, 39.1497



Tritanopia

13.9942, 14.9546, 19.2885

Trichromacy



Original Color

18.1789, 15.0172, 39.9707

Protanomaly

16.8046, 14.9806, 42.0503

Deuteranomaly

16.2316, 14.8890, 39.5545

Tritanomaly

15.2759, 14.8523, 25.7286

Monochromacy



Original Color

18.1789, 15.0172, 39.9707

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7493, 15.2890, 23.9508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1789, 15.0172, 39.9707 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(111, 98, 170)` looks like.

```
.text, #text, p{  
    color:rgb(111, 98, 170)  
}
```

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(111, 98, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 98, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.1789, 15.0172, 39.9707 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(111, 98, 170) }
```


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

```
.border{ border-color:rgb(111, 98, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 98, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 98, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 98, 170);  
box-shadow:4px 4px 4px 4px rgb(111, 98,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1789, 15.0172, 39.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 98, 170) }
```

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

```
.background{ background-color: rgb(111, 98,  
170) }
```

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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