

Converting Colors

XYZ(15.6835, 15.8701, 19.9802)

Have a look what the booklet for
XYZ(15.6835, 15.8701, 19.9802)
contains.

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Color

**XYZ(15.6689, 15.8041,
19.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	716D78
RGB	113, 109, 120
RGB Percent	44%, 43%, 47%
CMY	0.5569, 0.5725, 0.5294
CMYK	0.06, 0.09, 0.00, 0.53
HSL	262°, 5%, 45%
HSV	262°, 9%, 47%
XYZ	15.6689, 15.8041, 19.9939
YIQ	111.4500, -1.1470, 4.2690

Conversions

Conversions Part 2

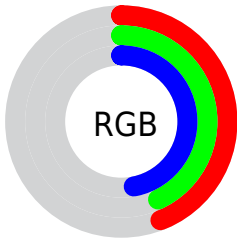
Format	Color
R_{YB}	113, 109, 120
Decimal	7433592
CIE Lab	46.72, 3.83, -5.55
CIE LCh	47, 6.740, 304.629
Yxy	15.8041, 0.3044, 0.3071
Android (android.graphics.Color)	4285623672 (0xFF716D78)
YUV	111.4500, 4.2152, 1.3594
Hunter-Lab	39.7544, 0.7843, -1.9910

Details

The XYZ color **15.6689, 15.8041, 19.9939** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6798, 18.2504, 17.1124**, and the grayscale version is **15.2290, 16.0221, 17.4481**.

A 20% lighter version of the original color is **35.5342, 36.1195, 44.1286**, and **5.0723, 5.0369, 6.8358** is the 20% darker color. If you saturate the color by 10%, you get **13.5337, 12.9313, 19.5522**, and if you desaturate by 10%, it is **18.0625, 19.0704, 20.4984**.

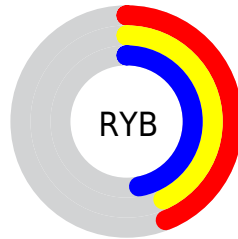
Distribution



Red (44%)

Green (43%)

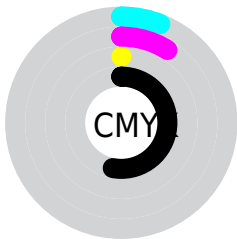
Blue (47%)



Red (44%)

Yellow (43%)

Blue (47%)

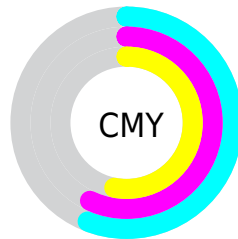


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (53%)



Cyan (56%)

Magenta (57%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6689, 15.8041, 19.9939 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 15.6689, 15.8041, 19.9939 by changing the saturation by 10% instead.

■ 15.6689, 15.8041,
19.9939

■ 15.6689, 15.8041,
19.9939

220.6890,
228.1830, 264.4852

■ 9.3795, 9.3856,
12.2066

■ 35.5845, 36.2578,
44.2658

■ 5.0486, 4.9936,
6.7603

■ 49.9415, 51.0618,
61.5874

■ 2.3109, 2.2435,
3.2365

■ 67.7184, 69.4298,
82.9243

■ 0.8002, 0.7435,
1.2166

■ 89.2806, 91.7461,
108.6949

■ 0.0000, 0.0000,
0.0000

114.9933,
118.3952, 139.3177

145.2221,

149.7614, 175.2113

180.3322,
186.2292, 216.7943

■ 15.6689, 15.8041,
19.9939

■ 15.6689, 15.8041,
19.9939

■ 13.5337, 12.9313,
19.5522

■ 18.0625, 19.0704,
20.4984

■ 11.6465, 10.4350,
19.1698

■ 20.7218, 22.7426,
21.0671

■ 9.9981, 8.2997,
18.8445

■ 23.6553, 26.8348,
21.7023

■ 8.5782, 6.5080,
18.5735

■ 26.8709, 31.3600,
22.4063

■ 7.3758, 5.0413,
18.3538

■ 30.3761, 36.3305,
23.1810

6.3788, 3.8790,
18.1820

34.1781, 41.7582,
24.0282

5.5737, 2.9979,
18.0544

38.2838, 47.6545,
24.9500

4.9454, 2.3715,
17.9666

42.7000, 54.0304,
25.9479

4.4512, 1.9192,
17.9053

47.4332, 60.8966,
27.0237

Harmonies

Analogous

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



15.1122, 15.8041, 20.6187



15.6689, 15.8041, 19.9939



16.0596, 15.8041, 18.6239

Triad

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



15.6689, 15.8041, 19.9939



15.5079, 15.8041, 14.4612



13.9290, 15.8041, 17.4690

Complementary

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



15.6689, 15.8041, 19.9939



16.6798, 18.2504, 17.1124

Split Complementary

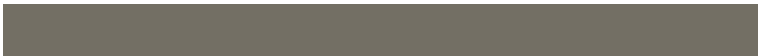
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.0288, 15.8041, 15.8657



15.6689, 15.8041, 19.9939



14.9308, 15.8041, 14.1958

Square

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



15.6689, 15.8041, 19.9939



15.9650, 15.8041, 15.4434



14.3918, 15.8041, 14.6937



14.1156, 15.8041, 19.1021

Rectangle

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



15.6689, 15.8041, 19.9939



16.1680, 15.8041, 17.5109



14.3918, 15.8041, 14.6937



13.9302, 15.8041, 16.9085

Sweetspot

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



15.6694, 15.8048, 19.9942



30.0683, 31.2123, 35.6929



15.9601, 17.1332, 20.2353



7.0534, 7.2980, 8.4436



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.6694, 15.8048, 19.9942



26.7316, 26.6773, 34.9934



16.3781, 16.1701, 20.0274



3.9225, 3.9579, 5.0004



4.7996, 2.0470, 19.5274



22.0340, 9.3209, 93.1076

Inverse Universe

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



16.3673, 16.1920, 18.7864



28.2262, 27.5069, 32.3935



15.9889, 17.8943, 17.0801



4.0956, 4.0539, 4.7009



9.8805, 4.9284, 7.9278



46.7118, 23.3411, 35.6082

Previews

White Background



This preview shows how the XYZ color 15.6689, 15.8041, 19.9939 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 15.6689, 15.8041, 19.9939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

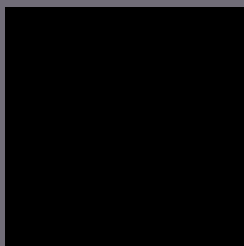
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6689, 15.8041, 19.9939

Background



This preview shows how black text looks on a background with the XYZ color 15.6689, 15.8041, 19.9939.



This preview shows how white text looks on a background with the XYZ color 15.6689, 15.8041,

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

15.6689, 15.8041, 19.9939

Protanopia

15.4575, 15.8473, 20.3333

Deuteranopia

16.0888, 15.8631, 19.9832



Tritanopia

15.5487, 15.7560, 19.3612

Trichromacy



Original Color

15.6689, 15.8041, 19.9939

Protanomaly

15.5827, 15.9118, 20.3392

Deuteranomaly

15.9552, 15.7942, 19.9770

Tritanomaly

15.6085, 15.7799, 19.6759

Monochromacy



Original Color

15.6689, 15.8041, 19.9939

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2953, 15.8115, 18.1654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6689, 15.8041, 19.9939 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, 109, 120)` looks like.

```
.text, #text, p{  
    color:rgb(113, 109, 120)  
}
```

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, 109, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 109, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.6689, 15.8041, 19.9939 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, 109, 120) }
```


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

```
.border{ border-color:rgb(113, 109, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 109, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 109, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 109, 120);  
box-shadow:4px 4px 4px 4px rgb(113, 109,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6689, 15.8041, 19.9939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 109, 120) }
```

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

```
.background{ background-color: rgb(113,  
109, 120) }
```

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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