

Converting Colors

XYZ(11.6725, 7.1930, 18.4947)

Have a look what the booklet for
XYZ(11.6725, 7.1930, 18.4947)
contains.

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Color

**XYZ(11.6496, 7.1830,
18.5418)**

Conversions

Conversions Part 1

Format	Color
Hex	743078
RGB	116, 48, 120
RGB Percent	45%, 19%, 47%
CMY	0.5451, 0.8118, 0.5294
CMYK	0.03, 0.60, 0.00, 0.53
HSL	297°, 43%, 33%
HSV	297°, 60%, 47%
XYZ	11.6496, 7.1830, 18.5418
YIQ	76.5400, 17.4160, 36.8080

Conversions

Conversions Part 2

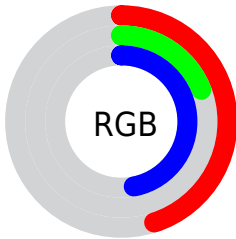
Format	Color
R _Y B	116, 48, 120
Decimal	7614584
CIE Lab	32.22, 40.52, -27.72
CIE LCh	32, 49.096, 325.627
Yxy	7.1830, 0.3117, 0.1922
Android (android.graphics.Color)	4285804664 (0xFF743078)
YUV	76.5400, 21.4258, 34.6064
Hunter-Lab	26.8011, 30.6864, -22.2578

Details

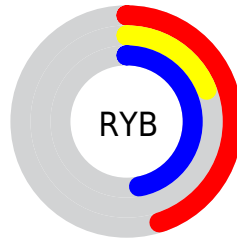
The XYZ color **11.6496, 7.1830, 18.5418** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **8.6664, 14.3766, 5.1149**, and the grayscale version is **6.9286, 7.2894, 7.9382**.

A 20% lighter version of the original color is **28.4881, 20.2985, 41.9517**, and **3.3173, 1.5787, 6.0911** is the 20% darker color. If you saturate the color by 10%, you get **11.1354, 6.2856, 18.3958**, and if you desaturate by 10%, it is **12.2978, 8.3471, 18.7324**.

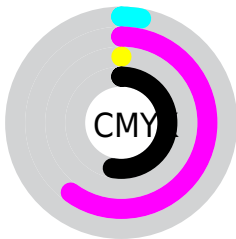
Distribution



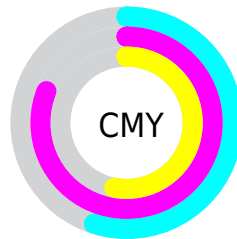
- Red (45%)
- Green (19%)
- Blue (47%)



- Red (45%)
- Yellow (19%)
- Blue (47%)



- Cyan (3%)
- Magenta (60%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (81%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6496, 7.1830, 18.5418 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 11.6496, 7.1830, 18.5418 by changing the saturation by 10% instead.

■ 11.6496, 7.1830,
18.5418

■ 11.6496, 7.1830,
18.5418

■ 195.8892,
169.1757, 256.2453

■ 6.5760, 3.5768,
11.1662

■ 28.4777, 20.3404,
41.7847

■ 3.2424, 1.4398,
6.0632

■ 40.9630, 30.6604,
58.4892

■ 1.2832, 0.2458,
2.8141

■ 56.6496, 43.9872,
79.1403

■ 0.1706, 0.0000,
1.0005

■ 75.9028, 60.7051,
104.1567

■ 0.0000, 0.0000,
0.0000

■ 99.0880, 81.1985,
133.9568

■ 126.5706,

105.8518, 168.9593

158.7159,
135.0494, 209.5826

■ 11.6496, 7.1830,
18.5418

■ 11.6496, 7.1830,
18.5418

■ 11.1354, 6.2856,
18.3958

■ 12.2978, 8.3471,
18.7324

■ 10.7435, 5.6318,
18.2903

■ 13.0889, 9.7963,
18.9705

■ 10.4613, 5.1966,
18.2211

■ 14.0321, 11.5489,
19.2590

■ 10.2434, 4.8891,
18.1732

■ 15.1356, 13.6209,
19.6008

■ 10.2433, 4.8890,
18.1732

■ 16.4068, 16.0276,
19.9983

■ 17.8529, 18.7830,
20.4540

■ 19.4805, 21.9005,
20.9699

■ 21.2960, 25.3928,
21.5483

■ 23.3054, 29.2719,
22.1912

Harmonies

Analogous

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



9.1408, 7.1830, 28.1462



11.6496, 7.1830, 18.5418



12.8766, 7.1830, 8.9259

Triad

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



11.6496, 7.1830, 18.5418



7.2028, 7.1830, 0.4613



3.3282, 7.1830, 15.4748

Complementary

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



11.6496, 7.1830, 18.5418



8.6664, 14.3766, 5.1149

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.



3.0502, 7.1830, 6.8114



11.6496, 7.1830, 18.5418



4.9412, 7.1830, 0.7890

Square

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



11.6496, 7.1830, 18.5418



9.9392, 7.1830, 1.0533



3.5619, 7.1830, 2.3166



4.4438, 7.1830, 25.7373

Rectangle

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



11.6496, 7.1830, 18.5418



12.6267, 7.1830, 4.6509



3.5619, 7.1830, 2.3166



3.1475, 7.1830, 12.1786

Sweetspot

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



11.6499, 7.1833, 18.5420



26.9488, 24.5760, 34.5764



5.8734, 4.5128, 18.3309



6.2660, 5.5968, 8.1567



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.



11.6499, 7.1833, 18.5420



19.3013, 10.5739, 32.2767



10.5977, 6.8252, 10.1664



4.1336, 4.0667, 5.0103



11.1709, 5.3316, 19.8256



53.0453, 25.3078, 94.5589

Inverse Universe

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



9.4228, 6.3552, 3.9792



15.0784, 9.0198, 3.9385



9.3543, 14.6290, 9.7664



4.0065, 4.0183, 4.2319



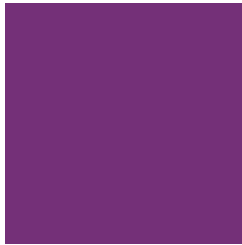
8.4882, 4.3714, 0.5957



40.3875, 20.8113, 2.3046

Previews

White Background



This preview shows how the XYZ color 11.6496, 7.1830, 18.5418 looks on a white background.

Color Contrast Check

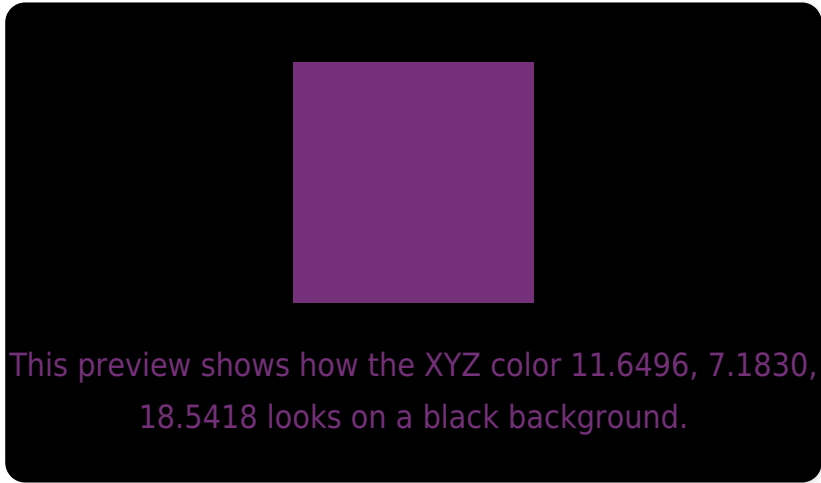
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

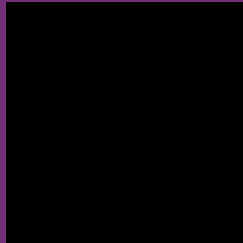
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6496, 7.1830, 18.5418

Background



This preview shows how black text looks on a background with the XYZ color 11.6496, 7.1830, 18.5418.



This preview shows how white text looks on a background with the XYZ color 11.6496, 7.1830,

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

11.6496, 7.1830, 18.5418

Protanopia

8.3195, 7.3425, 27.3643

Deuteranopia

7.4826, 7.3365, 17.2414



Tritanopia

9.2210, 7.2753, 6.2285

Trichromacy



Original Color

11.6496, 7.1830, 18.5418

Protanomaly

8.5782, 6.7232, 23.7672

Deuteranomaly

8.4674, 6.8863, 17.7125

Tritanomaly

9.8749, 7.1427, 9.6623

Monochromacy



Original Color

11.6496, 7.1830, 18.5418

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.2384, 6.9109, 11.2557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6496, 7.1830, 18.5418 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(116, 48, 120)` looks like.

```
.text, #text, p{  
    color:rgb(116, 48, 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(116, 48, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 48, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.6496, 7.1830, 18.5418 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(116, 48, 120) }
```


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

```
.border{ border-color:rgb(116, 48, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 48, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 48, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 48, 120);  
box-shadow:4px 4px 4px 4px rgb(116, 48,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6496, 7.1830, 18.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 48, 120) }
```

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

```
.background{ background-color: rgb(116, 48,  
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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