

Converting Colors

XYZ(18.6775, 12.4536, 47.3183)

Have a look what the booklet for
XYZ(18.6775, 12.4536, 47.3183)
contains.

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Color

**XYZ(18.6775, 12.4536,
47.3183)**

Conversions

Conversions Part 1

Format	Color
Hex	754CB9
RGB	117, 76, 185
RGB Percent	46%, 30%, 73%
CMY	0.5412, 0.7020, 0.2745
CMYK	0.37, 0.59, 0.00, 0.27
HSL	263°, 44%, 51%
HSV	263°, 59%, 73%
XYZ	18.6775, 12.4536, 47.3183
YIQ	100.6850, -10.5530, 42.5910

Conversions

Conversions Part 2

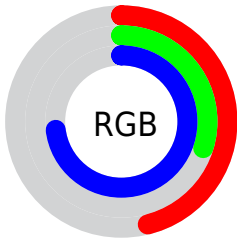
Format	Color
R _Y B	117, 76, 185
Decimal	7687353
CIE _{Lab}	41.93, 41.00, -51.61
CIE _{LCh}	42, 65.917, 308.462
Y _{xy}	12.4536, 0.2381, 0.1587
Android (android.graphics.Color)	4285877433 (0xFF754CB9)
YUV	100.6850, 41.5673, 14.3083
Hunter-Lab	35.2897, 32.7165, -54.7965

Details

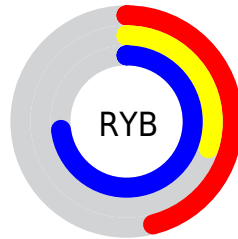
The XYZ color **18.6775, 12.4536, 47.3183** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **30.1551, 41.1492, 13.1911**, and the grayscale version is **12.1875, 12.8222, 13.9634**.

A 20% lighter version of the original color is **40.8500, 30.4738, 87.7334**, and **6.4986, 3.4933, 21.8045** is the 20% darker color. If you saturate the color by 10%, you get **16.1251, 9.5102, 46.8849**, and if you desaturate by 10%, it is **21.7886, 16.2292, 47.8834**.

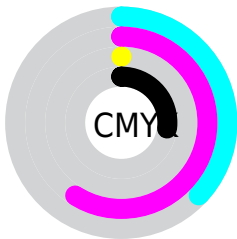
Distribution



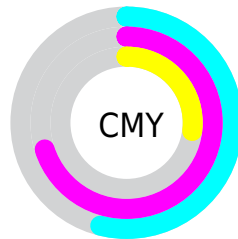
- Red (46%)
- Green (30%)
- Blue (73%)



- Red (46%)
- Yellow (30%)
- Blue (73%)



- Cyan (37%)
- Magenta (59%)
- Yellow (0%)
- Black (27%)



- Cyan (54%)
- Magenta (70%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6775, 12.4536, 47.3183 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 18.6775, 12.4536, 47.3183 by changing the saturation by 10% instead.

■ 18.6775, 12.4536,
47.3183

■ 18.6775, 12.4536,
47.3183

237.6350,
207.3855, 392.5141

■ 11.5401, 7.0534,
32.9312

■ 40.7095, 30.3186,
87.5435

■ 6.5013, 3.4955,
21.8031

■ 56.3349, 43.5522,
114.2187

■ 3.1958, 1.3956,
13.5153

■ 75.5203, 60.1657,
145.8270

■ 1.2581, 0.2135,
7.6495

■ 98.6310, 80.5434,
182.7869

■ 0.1515, 0.0000,
3.7869

■ 126.0325,
105.0699, 225.5171

■ 0.0000, 0.0000,
1.5092

158.0901,

■ 0.0000, 0.0000,

134.1295, 274.4360

0.2248

195.1691,
168.1066, 329.9621

■ 0.0000, 0.0000,
0.0000

■ 18.6775, 12.4536,
47.3183

■ 18.6775, 12.4536,
47.3183

■ 16.1251, 9.5102,
46.8849

■ 21.7886, 16.2292,
47.8834

■ 14.0905, 7.3294,
46.5712

■ 25.4919, 20.8963,
48.5890

■ 12.5289, 5.8319,
46.3645

■ 29.8199, 26.5099,
49.4444

■ 11.3654, 4.8797,
46.2420

■ 34.8022, 33.1203,
50.4578

■ 11.2533, 4.7897,
46.2306

■ 40.4662, 40.7740,
51.6366

■ 46.8381, 49.5147,
52.9878

■ 53.9421, 59.3834,
54.5183

■ 61.8016, 70.4190,
56.2341

■ 70.4388, 82.6586,
58.1414

Harmonies

Analogous

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



13.2705, 12.4536, 61.2236



18.6775, 12.4536, 47.3183



22.8733, 12.4536, 25.9976

Triad

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



18.6775, 12.4536, 47.3183



15.6227, 12.4536, 0.7674



4.7748, 12.4536, 17.9065

Complementary

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



18.6775, 12.4536, 47.3183



30.1551, 41.1492, 13.1911

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.



5.0828, 12.4536, 5.8986



18.6775, 12.4536, 47.3183



10.5102, 12.4536, 0.4957

Square

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



18.6775, 12.4536, 47.3183



20.7992, 12.4536, 2.7778



6.9109, 12.4536, 1.5299



5.9091, 12.4536, 38.0522

Rectangle

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



18.6775, 12.4536, 47.3183



23.8986, 12.4536, 14.2935



6.9109, 12.4536, 1.5299



4.7211, 12.4536, 12.8518

Sweetspot

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



18.6781, 12.4540, 47.3186



62.9267, 60.1175, 90.4919



21.8683, 25.3007, 49.6301



12.9776, 12.1735, 19.3873



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.6781, 12.4540, 47.3186



27.6003, 15.6229, 83.7654



28.0203, 17.2702, 47.7558



8.8318, 8.8796, 11.3279



7.7375, 3.3000, 31.4822



0.3423, 0.1522, 1.1131

Inverse Universe

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



27.6263, 17.4971, 28.3066



45.7983, 25.9145, 43.4979



22.9223, 37.4205, 12.8526



9.2338, 9.1039, 10.5786



15.7828, 7.8869, 12.0091



0.5854, 0.2896, 0.5761

Previews

White Background



This preview shows how the XYZ color 18.6775, 12.4536, 47.3183 looks on a white background.

Color Contrast Check

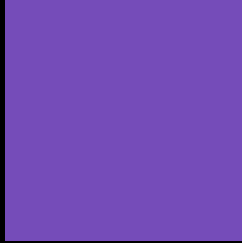
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6775, 12.4536, 47.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

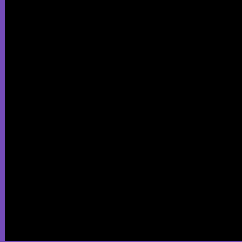
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6775, 12.4536, 47.3183

Background



This preview shows how black text looks on a background with the XYZ color 18.6775, 12.4536, 47.3183.



This preview shows how white text looks on a background with the XYZ color 18.6775, 12.4536,

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

18.6775, 12.4536, 47.3183

Protanopia

14.8717, 12.4962, 58.1281

Deuteranopia

12.7904, 12.5620, 44.3984



Tritanopia

12.2247, 12.4853, 15.4013

Trichromacy



Original Color

18.6775, 12.4536, 47.3183

Protanomaly

14.4498, 11.4786, 53.6785

Deuteranomaly

13.1639, 11.5041, 45.2428

Tritanomaly

13.9732, 12.1258, 24.5257

Monochromacy



Original Color

18.6775, 12.4536, 47.3183

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.0554, 12.4460, 23.4913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6775, 12.4536, 47.3183 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(117, 76, 185)` looks like.

```
.text, #text, p{  
    color:rgb(117, 76, 185)  
}
```

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(117, 76, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 76, 185) }
```

Border

The CSS property to change the border of an element to XYZ 18.6775, 12.4536, 47.3183 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(117, 76, 185) }
```


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

```
.border{ border-color:rgb(117, 76, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 76, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 76, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 76, 185);  
box-shadow:4px 4px 4px 4px rgb(117, 76,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6775, 12.4536, 47.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 76, 185) }
```

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

```
.background{ background-color: rgb(117, 76,  
185) }
```

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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