

Converting Colors

XYZ(16.2508, 10.6424, 47.6529)

Have a look what the booklet for
XYZ(16.2508, 10.6424, 47.6529)
contains.

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Color

**XYZ(16.1987, 10.5781,
47.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	6346BA
RGB	99, 70, 186
RGB Percent	39%, 27%, 73%
CMY	0.6117, 0.7255, 0.2706
CMYK	0.47, 0.62, 0.00, 0.27
HSL	255°, 46%, 50%
HSV	255°, 62%, 73%
XYZ	16.1987, 10.5781, 47.6424
YIQ	91.8950, -19.9520, 42.2240

Conversions

Conversions Part 2

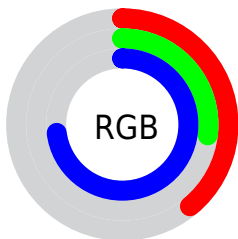
Format	Color
R_{YB}	99, 70, 186
Decimal	6506170
CIE _{Lab}	38.86, 40.75, -57.25
CIE _{LCh}	39, 70.269, 305.442
Yxy	10.5781, 0.2177, 0.1421
Android (android.graphics.Color)	4284696250 (0xFF6346BA)
YUV	91.8950, 46.3938, 6.2311
Hunter-Lab	32.5240, 31.9856, -64.0835

Details

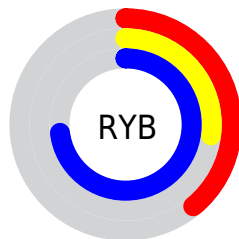
The XYZ color **16.1987, 10.5781, 47.6424** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **32.5684, 42.7279, 12.3252**, and the grayscale version is **10.0490, 10.5723, 11.5133**.

A 20% lighter version of the original color is **36.6044, 26.9719, 88.0709**, and **5.3080, 2.7101, 22.0731** is the 20% darker color. If you saturate the color by 10%, you get **13.8157, 7.8818, 47.2478**, and if you desaturate by 10%, it is **19.2063, 14.1312, 48.1699**.

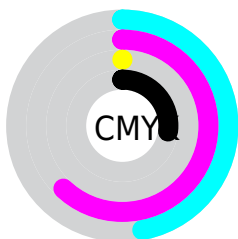
Distribution



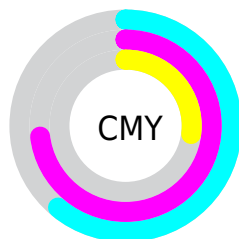
- Red (39%)
- Green (27%)
- Blue (73%)



- Red (39%)
- Yellow (27%)
- Blue (73%)



- Cyan (47%)
- Magenta (62%)
- Yellow (0%)
- Black (27%)



- Cyan (61%)
- Magenta (73%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1987, 10.5781, 47.6424 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 16.1987, 10.5781, 47.6424 by changing the saturation by 10% instead.

■ 16.1987, 10.5781,
47.6424

■ 16.1987, 10.5781,
47.6424

223.7588,
194.7497, 393.8407

■ 9.7566, 5.7839,
33.1858

■ 36.4975, 26.8773,
88.0317

■ 5.2989, 2.7141,
21.9965

■ 51.0849, 39.1511,
114.8016

■ 2.4602, 0.9844,
13.6561

■ 69.1181, 54.6869,
146.5129

■ 0.8752, 0.0000,
7.7458

■ 90.9625, 73.8691,
183.5842

■ 0.0000, 0.0000,
3.8473

■ 116.9834, 97.0821,
226.4341

■ 0.0000, 0.0000,
1.5420

147.5462,

■ 0.0000, 0.0000,

124.7103, 275.4811

0.2489

183.0162,
157.1380, 331.1438

■ 0.0000, 0.0000,
0.0000

■ 16.1987, 10.5781,
47.6424

■ 16.1987, 10.5781,
47.6424

■ 13.8157, 7.8818,
47.2478

■ 19.2063, 14.1312,
48.1699

■ 12.0076, 5.9654,
46.9732

■ 22.8796, 18.6070,
48.8402

■ 10.7190, 4.7391,
46.8044

■ 27.2578, 24.0657,
49.6631

■ 10.0127, 4.1379,
46.7256

■ 32.3766, 30.5622,
50.6473

■ 38.2691, 38.1473,
51.8008

■ 44.9665, 46.8683,
53.1311

■ 52.4981, 56.7698,
54.6453

■ 60.8918, 67.8940,
56.3501

■ 70.1741, 80.2809,
58.2518

Harmonies

Analogous

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



10.9283, 10.5781, 60.6292



16.1987, 10.5781, 47.6424



20.6084, 10.5781, 25.8198

Triad

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



16.1987, 10.5781, 47.6424



14.2584, 10.5781, 0.2159



3.5107, 10.5781, 14.1276

Complementary

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



16.1987, 10.5781, 47.6424



32.5684, 42.7279, 12.3252

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.



3.9068, 10.5781, 3.8040



16.1987, 10.5781, 47.6424



9.2279, 10.5781, 0.0000

Square

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



16.1987, 10.5781, 47.6424



19.2670, 10.5781, 2.1242



5.7009, 10.5781, 0.6818



4.3771, 10.5781, 33.7361

Rectangle

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



16.1987, 10.5781, 47.6424



21.8969, 10.5781, 13.6806



5.7009, 10.5781, 0.6818



3.5047, 10.5781, 9.5958

Sweetspot

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



16.1992, 10.5784, 47.6427



61.7916, 59.3771, 92.4056



23.4458, 28.9614, 50.8090



12.9615, 12.2480, 20.2235



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



16.1992, 10.5784, 47.6427



23.6529, 12.7804, 85.4216



24.9578, 15.0937, 48.0526



8.7259, 8.8251, 11.3229



6.7954, 2.8143, 31.4381



0.2980, 0.1293, 1.1110

Inverse Universe

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



28.5255, 17.2537, 33.7234



48.4069, 26.2355, 55.2289



23.8101, 38.2129, 11.9153



9.2824, 9.1233, 10.8344



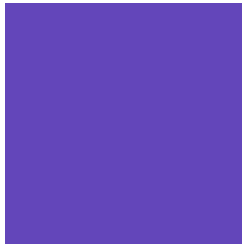
16.8141, 8.2994, 17.4398



0.6160, 0.3019, 0.7370

Previews

White Background



This preview shows how the XYZ color 16.1987, 10.5781, 47.6424 looks on a white background.

Color Contrast Check

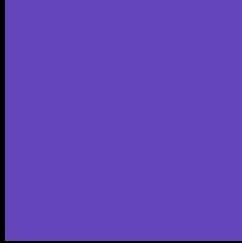
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1987, 10.5781, 47.6424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

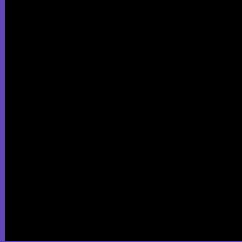
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1987, 10.5781, 47.6424

Background



This preview shows how black text looks on a background with the XYZ color 16.1987, 10.5781, 47.6424.



This preview shows how white text looks on a background with the XYZ color 16.1987, 10.5781,

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

16.1987, 10.5781, 47.6424

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

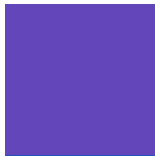
10.6136, 10.6498, 36.1465



Tritanopia

9.3815, 10.5012, 14.1029

Trichromacy



Original Color

16.1987, 10.5781, 47.6424



Protanomaly

12.6396, 9.8478, 48.2483



Deuteranomaly

11.3267, 9.8123, 39.8251



Tritanomaly

11.1383, 10.0753, 23.5480

Monochromacy



Original Color

16.1987, 10.5781, 47.6424



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

11.6555, 10.2799, 21.1086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1987, 10.5781, 47.6424 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(99, 70, 186)` looks like.

```
.text, #text, p{  
    color:rgb(99, 70, 186)  
}
```

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(99, 70, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 70, 186) }
```

Border

The CSS property to change the border of an element to XYZ 16.1987, 10.5781, 47.6424 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(99, 70, 186) }
```


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

```
.border{ border-color:rgb(99, 70, 186) }
```

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

Here you see how a box with a 4 pixel rgb(99, 70, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 70, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 70, 186);  
box-shadow:4px 4px 4px 4px rgb(99, 70,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1987, 10.5781, 47.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 70, 186) }
```

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

```
.background{ background-color: rgb(99, 70,  
186) }
```

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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