

Converting Colors

XYZ(18.8054, 11.3929, 37.5002)

Have a look what the booklet for
XYZ(18.8054, 11.3929, 37.5002)
contains.

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Color

**XYZ(18.7050, 11.3249,
37.2765)**

Conversions

Conversions Part 1

Format	Color
Hex	883DA6
RGB	136, 61, 166
RGB Percent	53%, 24%, 65%
CMY	0.4667, 0.7608, 0.3490
CMYK	0.18, 0.63, 0.00, 0.35
HSL	283°, 46%, 45%
HSV	283°, 63%, 65%
XYZ	18.7050, 11.3249, 37.2765
YIQ	95.3950, 10.9950, 48.5550

Conversions

Conversions Part 2

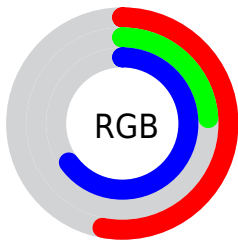
Format	Color
R_{YB}	136, 61, 166
Decimal	8928678
CIE _{Lab}	40.12, 48.93, -43.15
CIE _{LCh}	40, 65.235, 318.590
Yxy	11.3249, 0.2779, 0.1683
Android (android.graphics.Color)	4287118758 (0xFF883DA6)
YUV	95.3950, 34.8083, 35.6106
Hunter-Lab	33.6525, 40.3235, -42.1182

Details

The XYZ color **18.7050, 11.3249, 37.2765** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **18.7933, 29.8338, 9.1833**, and the grayscale version is **10.8896, 11.4567, 12.4763**.

A 20% lighter version of the original color is **40.8282, 28.2906, 72.4160**, and **6.4603, 2.9861, 15.8587** is the 20% darker color. If you saturate the color by 10%, you get **17.1989, 9.4307, 36.9904**, and if you desaturate by 10%, it is **20.5203, 13.7861, 37.6561**.

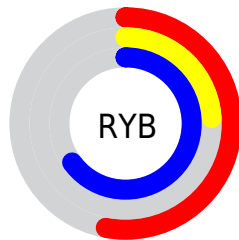
Distribution



Red (53%)

Green (24%)

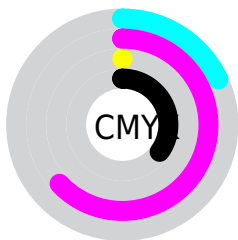
Blue (65%)



Red (53%)

Yellow (24%)

Blue (65%)

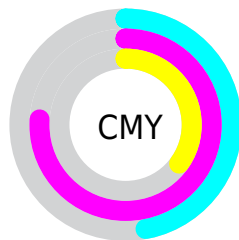


Cyan (18%)

Magenta (63%)

Yellow (0%)

Black (35%)



Cyan (47%)

Magenta (76%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7050, 11.3249, 37.2765 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 18.7050, 11.3249, 37.2765 by changing the saturation by 10% instead.

18.7050, 11.3249,
37.2765

18.7050, 11.3249,
37.2765

237.7848,
199.8832, 349.7107

11.5601, 6.2858,
25.1242

40.7558, 28.2594,
72.1889

6.5149, 3.0196,
15.9497

56.3923, 40.9236,
95.7861

3.2042, 1.1420,
9.3346

75.5900, 56.8983,
124.0353

1.2627, 0.0135,
4.8603

98.7144, 76.5680,
157.3551

0.1550, 0.0000,
2.1082

126.1307,
100.3168, 196.1640

0.0000, 0.0000,
0.6207

158.2043,

0.0000, 0.0000,

128.5294, 240.8805

0.0000

195.3005,
161.5901, 291.9233

■ 18.7050, 11.3249,
37.2765

■ 18.7050, 11.3249,
37.2765

■ 17.1989, 9.4307,
36.9904

■ 20.5203, 13.7861,
37.6561

■ 15.9740, 8.0493,
36.7884

■ 22.6669, 16.8589,
38.1360

■ 14.9989, 7.1182,
36.6601

■ 25.1660, 20.5850,
38.7235

■ 14.4322, 6.6449,
36.5986

■ 28.0369, 25.0022,
39.4248

■ 31.2971, 30.1450,
40.2457

■ 34.9632, 36.0458,
41.1914

■ 39.0507, 42.7351,
42.2671

■ 43.5741, 50.2415,
43.4776

■ 48.5474, 58.5923,
44.8273

Harmonies

Analogous

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



13.7856, 11.3249, 54.2913



18.7050, 11.3249, 37.2765



21.7553, 11.3249, 17.9520

Triad

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



18.7050, 11.3249, 37.2765



12.5803, 11.3249, 0.3657



4.4401, 11.3249, 22.1125

Complementary

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



18.7050, 11.3249, 37.2765



18.7933, 29.8338, 9.1833

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.



4.2855, 11.3249, 8.0259



18.7050, 11.3249, 37.2765



8.2197, 11.3249, 0.5135

Square

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



18.7050, 11.3249, 37.2765



17.6124, 11.3249, 1.4899



5.4648, 11.3249, 2.0974



5.9703, 11.3249, 42.0868

Rectangle

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



18.7050, 11.3249, 37.2765



21.8745, 11.3249, 8.9684



5.4648, 11.3249, 2.0974



4.2454, 11.3249, 16.4435

Sweetspot

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



18.7055, 11.3254, 37.2768



53.1049, 48.8549, 72.1063



12.6784, 11.4870, 37.6256



11.5293, 10.3767, 16.0474



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.7055, 11.3254, 37.2768



30.2303, 15.9655, 66.9636



22.5058, 13.4892, 28.2059



7.6299, 7.5573, 9.4749



11.2389, 5.1773, 28.3825



0.3200, 0.1499, 0.6927

Inverse Universe

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



19.2833, 12.2002, 11.2365



32.0261, 18.0737, 13.6264



17.0840, 28.8740, 12.6560



7.6160, 7.5762, 8.2949



12.6172, 6.4556, 2.7957



0.3286, 0.1657, 0.1820

Previews

White Background



This preview shows how the XYZ color 18.7050, 11.3249, 37.2765 looks on a white background.

Color Contrast Check

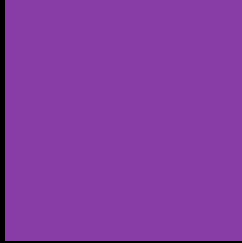
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7050, 11.3249, 37.2765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

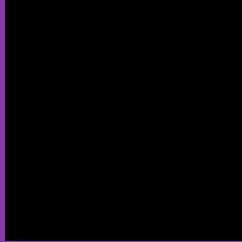
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7050, 11.3249, 37.2765

Background



This preview shows how black text looks on a background with the XYZ color 18.7050, 11.3249, 37.2765.



This preview shows how white text looks on a background with the XYZ color 18.7050, 11.3249,

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

18.7050, 11.3249, 37.2765

Protanopia

13.6775, 11.5944, 53.1468

Deuteranopia

11.8933, 11.6076, 34.8714



Tritanopia

13.4732, 11.4388, 11.1707

Trichromacy



Original Color

18.7050, 11.3249, 37.2765



Protanomaly

12.8608, 9.9985, 46.5995



Deuteranomaly

13.0945, 10.5890, 35.5361



Tritanomaly

14.9077, 11.1440, 18.5048

Monochromacy



Original Color

18.7050, 11.3249, 37.2765



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

12.9749, 10.8820, 19.5057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7050, 11.3249, 37.2765 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(136, 61, 166)` looks like.

```
.text, #text, p{  
    color:rgb(136, 61, 166)  
}
```

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(136, 61, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 61, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.7050, 11.3249, 37.2765 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(136, 61, 166) }
```


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

```
.border{ border-color:rgb(136, 61, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 61, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 61, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 61, 166);  
box-shadow:4px 4px 4px 4px rgb(136, 61,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7050, 11.3249, 37.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 61, 166) }
```

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

```
.background{ background-color: rgb(136, 61,  
166) }
```

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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