

Converting Colors

XYZ(18.8645, 11.2269, 45.4250)

Have a look what the booklet for
XYZ(18.8645, 11.2269, 45.4250)
contains.

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Color

**XYZ(18.8646, 11.2269,
45.4287)**

Conversions

Conversions Part 1

Format	Color
Hex	7F3DB6
RGB	127, 61, 182
RGB Percent	50%, 24%, 71%
CMY	0.5020, 0.7608, 0.2863
CMYK	0.30, 0.66, 0.00, 0.29
HSL	273°, 50%, 48%
HSV	273°, 66%, 71%
XYZ	18.8646, 11.2269, 45.4287
YIQ	94.5280, 0.4950, 51.6230

Conversions

Conversions Part 2

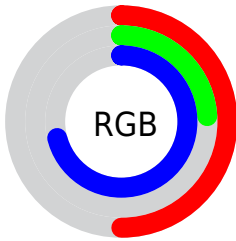
Format	Color
R_{YB}	127, 61, 182
Decimal	8338870
CIE _{Lab}	39.96, 50.45, -52.96
CIE _{LCh}	40, 73.147, 313.608
Yxy	11.2269, 0.2498, 0.1487
Android (android.graphics.Color)	4286528950 (0xFF7F3DB6)
YUV	94.5280, 43.1237, 28.4779
Hunter-Lab	33.5066, 41.8612, -56.9317

Details

The XYZ color **18.8646, 11.2269, 45.4287** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **24.7729, 37.5060, 10.3489**, and the grayscale version is **10.6656, 11.2211, 12.2198**.

A 20% lighter version of the original color is **41.0136, 28.1095, 84.9254**, and **6.5905, 2.9796, 20.6498** is the 20% darker color. If you saturate the color by 10%, you get **16.8709, 8.9936, 45.1029**, and if you desaturate by 10%, it is **21.2901, 14.1723, 45.8696**.

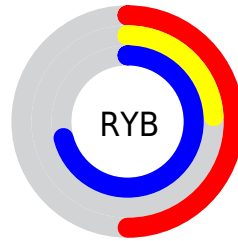
Distribution



Red (50%)

Green (24%)

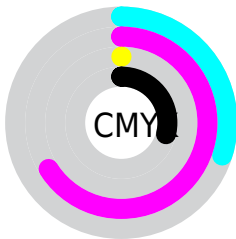
Blue (71%)



Red (50%)

Yellow (24%)

Blue (71%)

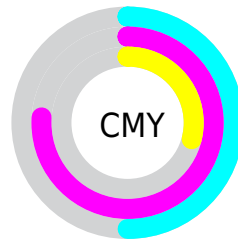


Cyan (30%)

Magenta (66%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (76%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8646, 11.2269, 45.4287 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 18.8646, 11.2269, 45.4287 by changing the saturation by 10% instead.

18.8646, 11.2269,
45.4287

18.8646, 11.2269,
45.4287

238.6527,
199.2177, 384.7177

11.6759, 6.2197,
31.4498

41.0238, 28.0790,
84.6886

6.5940, 2.9791,
20.6803

56.7251, 40.6926,
110.8067

3.2536, 1.1208,
12.7015

75.9945, 56.6105,
141.8083

1.2892, 0.0000,
7.0950

99.1976, 76.2171,
178.1120

0.1751, 0.0000,
3.4423

126.6996, 99.8967,
220.1362

0.0000, 0.0000,
1.3247

158.8659,

0.0000, 0.0000,

128.0337, 268.2995

0.0819

196.0618,
161.0126, 323.0205

■ 0.0000, 0.0000,
0.0000

■ 18.8646, 11.2269,
45.4287

■ 18.8646, 11.2269,
45.4287

■ 16.8709, 8.9936,
45.1029

■ 21.2901, 14.1723,
45.8696

■ 15.2701, 7.4002,
44.8797

■ 24.1782, 17.8899,
46.4350

■ 14.0135, 6.3520,
44.7436

■ 27.5584, 22.4347,
47.1340

■ 13.6192, 6.0456,
44.7053

■ 31.4570, 27.8561,
47.9750

■ 35.8984, 34.1995,
48.9653

■ 40.9052, 41.5074,
50.1120

■ 46.4987, 49.8191,
51.4215

■ 52.6991, 59.1721,
52.9000

■ 59.5253, 69.6017,
54.5533

Harmonies

Analogous

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



13.1216, 11.2269, 64.0482



18.8646, 11.2269, 45.4287



22.9563, 11.2269, 21.8689

Triad

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



18.8646, 11.2269, 45.4287



13.6517, 11.2269, 0.0000



3.7432, 11.2269, 20.0014

Complementary

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



18.8646, 11.2269, 45.4287



24.7729, 37.5060, 10.3489

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.



3.8043, 11.2269, 5.9369



18.8646, 11.2269, 45.4287



8.5459, 11.2269, 0.0000

Square

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



18.8646, 11.2269, 45.4287



19.3566, 11.2269, 1.3276



5.2780, 11.2269, 1.1218



5.0721, 11.2269, 43.1748

Rectangle

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



18.8646, 11.2269, 45.4287



23.5876, 11.2269, 10.5569



5.2780, 11.2269, 1.1218



3.6187, 11.2269, 14.0584

Sweetspot

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



18.8651, 11.2273, 45.4290



61.8592, 57.3657, 88.0481



16.7841, 17.2015, 46.6918



13.1660, 11.9612, 19.3364



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.



18.8651, 11.2273, 45.4290



29.0886, 14.7620, 81.5519



28.9929, 16.4959, 43.7581



8.9766, 8.9543, 11.3347



9.6951, 4.3092, 31.5738



0.4121, 0.1882, 1.1163

Inverse Universe

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



24.1127, 14.5438, 18.0594



40.2887, 21.8098, 24.5181



19.6078, 34.8303, 10.6959



9.1698, 9.0783, 10.2415



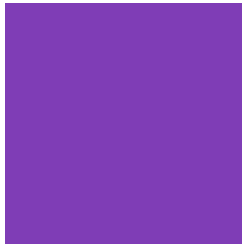
14.7512, 7.4742, 6.5766



0.5513, 0.2760, 0.3966

Previews

White Background



This preview shows how the XYZ color 18.8646, 11.2269, 45.4287 looks on a white background.

Color Contrast Check

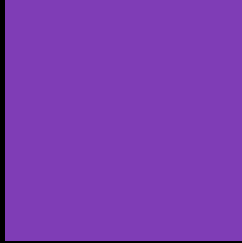
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8646, 11.2269, 45.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

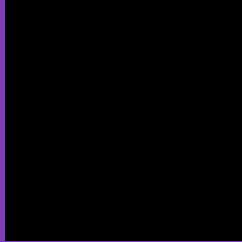
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8646, 11.2269, 45.4287

Background



This preview shows how black text looks on a background with the XYZ color 18.8646, 11.2269, 45.4287.



This preview shows how white text looks on a background with the XYZ color 18.8646, 11.2269,

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

18.8646, 11.2269, 45.4287

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.4386, 11.2680, 39.6023



Tritanopia

12.1108, 11.1852, 12.3471

Trichromacy



Original Color

18.8646, 11.2269, 45.4287



Protanomaly

13.1807, 9.9923, 49.3781



Deuteranomaly

11.8600, 9.8233, 41.3154



Tritanomaly

13.8913, 10.7630, 21.4240

Monochromacy



Original Color

18.8646, 11.2269, 45.4287



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

12.9874, 10.8446, 21.4874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8646, 11.2269, 45.4287 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(127, 61, 182)` looks like.

```
.text, #text, p{  
    color:rgb(127, 61, 182)  
}
```

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(127, 61, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 61, 182) }
```

Border

The CSS property to change the border of an element to XYZ 18.8646, 11.2269, 45.4287 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(127, 61, 182) }
```


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

```
.border{ border-color:rgb(127, 61, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 61, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 61, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 61, 182);  
box-shadow:4px 4px 4px 4px rgb(127, 61,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8646, 11.2269, 45.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 61, 182) }
```

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

```
.background{ background-color: rgb(127, 61,  
182) }
```

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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