

Converting Colors

XYZ(12.2767, 6.4430, 18.8302)

Have a look what the booklet for
XYZ(12.2767, 6.4430, 18.8302)
contains.

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Color

**XYZ(12.2563, 6.4357,
18.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	7D1979
RGB	125, 25, 121
RGB Percent	49%, 10%, 47%
CMY	0.5098, 0.9019, 0.5255
CMYK	0.00, 0.80, 0.03, 0.51
HSL	302°, 67%, 29%
HSV	302°, 80%, 49%
XYZ	12.2563, 6.4357, 18.6854
YIQ	65.8440, 28.7840, 51.0560

Conversions

Conversions Part 2

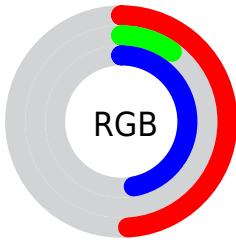
Format	Color
R_{YB}	125, 25, 121
Decimal	8198521
CIE _{Lab}	30.49, 52.23, -30.99
CIE _{LCh}	30, 60.738, 329.317
Yxy	6.4357, 0.3279, 0.1722
Android (android.graphics.Color)	4286388601 (0xFF7D1979)
YUV	65.8440, 27.1919, 51.8798
Hunter-Lab	25.3687, 41.8430, -25.9122

Details

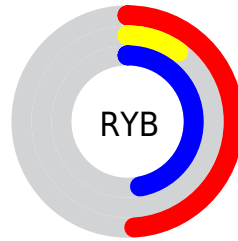
The XYZ color **12.2563, 6.4357, 18.6854** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.9566, 14.9630, 3.6315**, and the grayscale version is **5.1108, 5.3769, 5.8555**.

A 20% lighter version of the original color is **29.7133, 18.9143, 42.1292**, and **3.8422, 1.8456, 6.2846** is the 20% darker color. If you saturate the color by 10%, you get **12.0159, 6.0036, 18.4544**, and if you desaturate by 10%, it is **12.6170, 7.1076, 18.9574**.

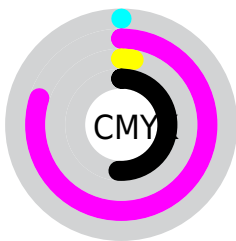
Distribution



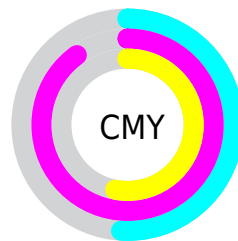
- Red (49%)
- Green (10%)
- Blue (47%)



- Red (49%)
- Yellow (10%)
- Blue (47%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (51%)




- Cyan (51%)
- Magenta (90%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2563, 6.4357, 18.6854 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 12.2563, 6.4357, 18.6854 by changing the saturation by 10% instead.


 12.2563, 6.4357,
18.6854


 12.2563, 6.4357,
18.6854


199.8302,
162.8889, 257.0710


 6.9919, 3.1118,
11.2687


 29.5739, 18.8286,
42.0314


 3.5033, 1.1904,
6.1314

 42.3578, 28.6664,
58.7978

 1.4252, 0.0538,
2.8551

 58.3789, 41.4443,
79.5178

 0.2741, 0.0000,
1.0211

 78.0026, 57.5467,
104.6099

 0.0000, 0.0000,
0.0000

 101.5942, 77.3580,
134.4928

 129.5191,

101.2625, 169.5849

162.1427,
129.6446, 210.3048

12.2563, 6.4357,
18.6854

12.2563, 6.4357,
18.6854

12.0159, 6.0036,
18.4544

12.6170, 7.1076,
18.9574

11.8478, 5.7162,
18.2482

13.1113, 8.0468,
19.2747

11.8478, 5.7161,
18.2481

13.7518, 9.2781,
19.6415

14.5492, 10.8230,
20.0614

15.5135, 12.7012,
20.5376

■ 16.6534, 14.9307,
21.0733

■ 17.9776, 17.5282,
21.6711

■ 19.4937, 20.5094,
22.3338

■ 21.2091, 23.8890,
23.0636

Harmonies

Analogous

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



9.2649, 6.4357, 32.0975



12.2563, 6.4357, 18.6854



13.5354, 6.4357, 7.1989

Triad

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



12.2563, 6.4357, 18.6854



6.1834, 6.4357, 0.0000



2.4358, 6.4357, 18.0604

Complementary

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



12.2563, 6.4357, 18.6854



7.9566, 14.9630, 3.6315

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.



2.0703, 6.4357, 6.8193



12.2563, 6.4357, 18.6854



3.7775, 6.4357, 0.0000

Square

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



12.2563, 6.4357, 18.6854



9.4171, 6.4357, 0.0229



2.4718, 6.4357, 1.6165



3.6949, 6.4357, 31.5769

Rectangle

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



12.2563, 6.4357, 18.6854



13.0112, 6.4357, 2.9481



2.4718, 6.4357, 1.6165



2.2260, 6.4357, 13.7088

Sweetspot

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



12.2565, 6.4360, 18.6855



28.8459, 24.8266, 37.2832



4.5377, 2.4278, 19.6319



6.4270, 5.3845, 8.4171



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.2565, 6.4360, 18.6855



21.2961, 10.3814, 32.7490



9.9643, 5.5191, 6.6147



4.4910, 4.4095, 5.3899



12.3647, 5.9656, 19.0419



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2565, 6.4360, 18.6855



21.2961, 10.3814, 32.7490



9.1220, 15.4291, 9.7684



4.4910, 4.4095, 5.3899



12.3647, 5.9656, 19.0419



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2563, 6.4357, 18.6854 looks on a white background.

Color Contrast Check

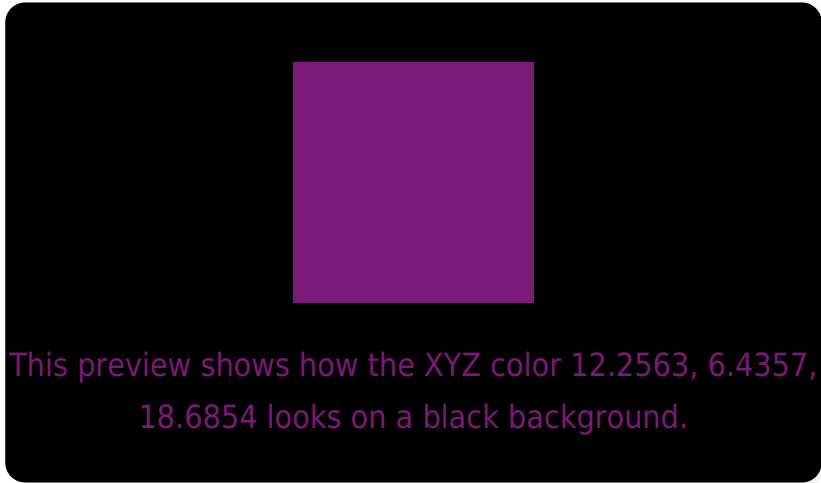
Large Text (above 18pt) WCAG AA ✓ Pass

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

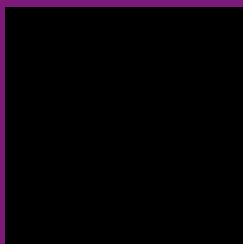
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2563, 6.4357, 18.6854

Background



This preview shows how black text looks on a background with the XYZ color 12.2563, 6.4357, 18.6854.



This preview shows how white text looks on a background with the XYZ color 12.2563, 6.4357,

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

12.2563, 6.4357, 18.6854

Protanopia

7.7583, 6.7085, 29.7401

Deuteranopia

6.8360, 6.7101, 16.8545



Tritanopia

9.3888, 6.5834, 4.3903

Trichromacy



Original Color

12.2563, 6.4357, 18.6854



Protanomaly

7.0616, 5.0603, 25.0306



Deuteranomaly

7.8495, 5.7750, 17.5306



Tritanomaly

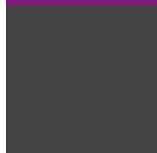
10.1244, 6.2854, 8.0767

Monochromacy



Original Color

12.2563, 6.4357, 18.6854



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

6.7940, 5.0658, 9.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2563, 6.4357, 18.6854 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(125, 25, 121)` looks like.

```
.text, #text, p{  
    color:rgb(125, 25, 121)  
}
```

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(125, 25, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 25, 121) }
```

Border

The CSS property to change the border of an element to XYZ 12.2563, 6.4357, 18.6854 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(125, 25, 121) }
```


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

```
.border{ border-color:rgb(125, 25, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 25, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 25, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 25, 121);  
box-shadow:4px 4px 4px 4px rgb(125, 25,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2563, 6.4357, 18.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 25, 121) }
```

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

```
.background{ background-color: rgb(125, 25,  
121) }
```

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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