

Converting Colors

XYZ(12.8464, 9.5175, 18.4569)

Have a look what the booklet for
XYZ(12.8464, 9.5175, 18.4569)
contains.

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Color

**XYZ(12.8561, 9.4941,
18.6077)**

Conversions

Conversions Part 1

Format	Color
Hex	754677
RGB	117, 70, 119
RGB Percent	46%, 27%, 47%
CMY	0.5412, 0.7255, 0.5333
CMYK	0.02, 0.41, 0.00, 0.53
HSL	298°, 26%, 37%
HSV	298°, 41%, 47%
XYZ	12.8561, 9.4941, 18.6077
YIQ	89.6390, 12.2830, 25.2030

Conversions

Conversions Part 2

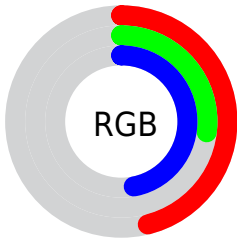
Format	Color
R_{YB}	117, 70, 119
Decimal	7685751
CIE Lab	36.92, 28.56, -19.75
CIE LCh	37, 34.726, 325.340
Yxy	9.4941, 0.3139, 0.2318
Android (android.graphics.Color)	4285875831 (0xFF754677)
YUV	89.6390, 14.4750, 23.9956
Hunter-Lab	30.8125, 20.5549, -14.2365

Details

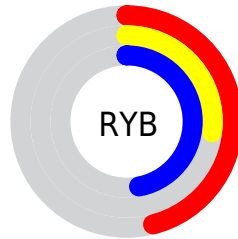
The XYZ color **12.8561, 9.4941, 18.6077** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.3750, 15.0137, 8.1458**, and the grayscale version is **9.6045, 10.1047, 11.0040**.

A 20% lighter version of the original color is **30.6447, 24.9193, 41.7228**, and **3.7469, 2.2888, 6.0386** is the 20% darker color. If you saturate the color by 10%, you get **12.1193, 8.1168, 18.3808**, and if you desaturate by 10%, it is **13.7414, 11.1675, 18.8842**.

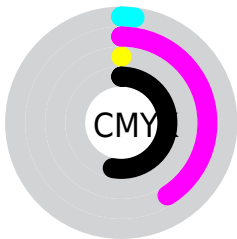
Distribution



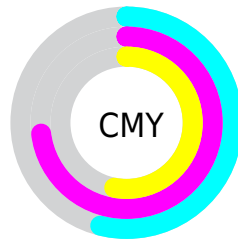
- Red (46%)
- Green (27%)
- Blue (47%)



- Red (46%)
- Yellow (27%)
- Blue (47%)



- Cyan (2%)
- Magenta (41%)
- Yellow (0%)
- Black (53%)



- Cyan (54%)
- Magenta (73%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8561, 9.4941, 18.6077 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 12.8561, 9.4941, 18.6077 by changing the saturation by 10% instead.

■ 12.8561, 9.4941,
18.6077

■ 12.8561, 9.4941,
18.6077

203.6497,
187.0223, 256.6245

■ 7.4058, 5.0648,
11.2132

■ 30.6485, 24.8395,
41.8980

■ 3.7658, 2.2854,
6.0945

■ 43.7214, 36.5244,
58.6309

■ 1.5705, 0.7659,
2.8329

■ 60.0659, 51.3967,
79.3136

■ 0.3731, 0.0000,
1.0100

■ 80.0474, 69.8408,
104.3648

■ 0.0000, 0.0000,
0.0000

■ 104.0311, 92.2410,
134.2029

132.3825,

118.9817, 169.2466

165.4669,
150.4473, 209.9143

■ 12.8561, 9.4941,
18.6077

■ 12.8561, 9.4941,
18.6077

■ 12.1193, 8.1168,
18.3808

■ 13.7414, 11.1675,
18.8842

■ 11.5212, 7.0168,
18.2000

■ 14.7824, 13.1518,
19.2123

■ 11.0526, 6.1752,
18.0623

■ 15.9868, 15.4624,
19.5948

■ 10.7025, 5.5701,
17.9639

■ 17.3615, 18.1132,
20.0340

■ 10.4582, 5.1760,
17.9007

■ 18.9131, 21.1174,
20.5321

■ 10.2882, 4.9191,
17.8601

■ 20.6480, 24.4875,
21.0912

■ 22.5719, 28.2352,
21.7132

■ 24.6905, 32.3719,
22.4000

■ 27.0094, 36.9085,
23.1534

Harmonies

Analogous

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



10.9052, 9.4941, 25.0952



12.8561, 9.4941, 18.6077



13.7864, 9.4941, 11.3262

Triad

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



12.8561, 9.4941, 18.6077



9.3628, 9.4941, 2.4716



5.7880, 9.4941, 16.2568

Complementary

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



12.8561, 9.4941, 18.6077



10.3750, 15.0137, 8.1458

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.



5.5079, 9.4941, 9.4080



12.8561, 9.4941, 18.6077



7.3724, 9.4941, 2.9186

Square

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



12.8561, 9.4941, 18.6077



11.5765, 9.4941, 3.3510



6.0406, 9.4941, 4.9730



6.8771, 9.4941, 23.4028

Rectangle

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



12.8561, 9.4941, 18.6077



13.6105, 9.4941, 7.5187



6.0406, 9.4941, 4.9730



5.6043, 9.4941, 13.7850

Sweetspot

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



12.8564, 9.4945, 18.6079



28.3689, 27.1911, 35.0063



8.2024, 7.3275, 18.4349



6.6704, 6.3425, 8.2793



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8564, 9.4945, 18.6079



21.8141, 14.7429, 32.9490



11.9535, 9.1647, 12.4363



3.8126, 3.7507, 4.6132



10.9286, 5.2252, 18.9751



53.0749, 25.3696, 92.4598

Inverse Universe

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



10.9678, 8.7704, 7.2459



17.9830, 13.2788, 9.6859



11.0568, 15.2695, 12.5015



3.6894, 3.7031, 3.8914



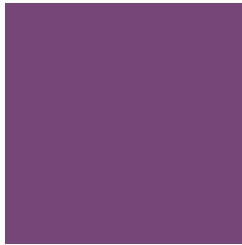
8.1102, 4.1778, 0.5223



39.4444, 20.3279, 2.1375

Previews

White Background



This preview shows how the XYZ color 12.8561, 9.4941, 18.6077 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 12.8561, 9.4941, 18.6077

Background



This preview shows how black text looks on a background with the XYZ color 12.8561, 9.4941, 18.6077.



This preview shows how white text looks on a background with the XYZ color 12.8561, 9.4941,

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

12.8561, 9.4941, 18.6077

Protanopia

10.0912, 9.6611, 23.1627

Deuteranopia

9.7884, 9.6220, 17.8643



Tritanopia

11.0067, 9.5336, 9.6476

Trichromacy



Original Color

12.8561, 9.4941, 18.6077

Protanomaly

10.7239, 9.3443, 21.3171

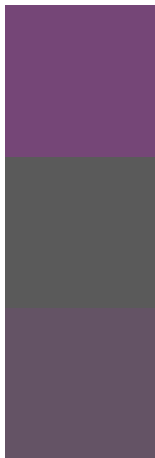
Deuteranomaly

10.5937, 9.3488, 18.0758

Tritanomaly

11.6132, 9.4726, 12.5256

Monochromacy



Original Color

12.8561, 9.4941, 18.6077

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.6977, 9.8354, 13.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8561, 9.4941, 18.6077 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, 70, 119)` looks like.

```
.text, #text, p{  
    color:rgb(117, 70, 119)  
}
```

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, 70, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 70, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.8561, 9.4941, 18.6077 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, 70, 119) }
```


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

```
.border{ border-color:rgb(117, 70, 119) }
```

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

Here you see how a box with a 4 pixel rgb(117, 70, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 70, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 70, 119);  
box-shadow:4px 4px 4px 4px rgb(117, 70,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8561, 9.4941, 18.6077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 70, 119) }
```

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

```
.background{ background-color: rgb(117, 70,  
119) }
```

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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