

Converting Colors

XYZ(12.1814, 8.1470, 18.7730)

Have a look what the booklet for
XYZ(12.1814, 8.1470, 18.7730)
contains.

XYZ(12.1057, 8.0952, 18.6938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.1057, 8.0952,
18.6938)**

Conversions

Conversions Part 1

Format	Color
Hex	743A78
RGB	116, 58, 120
RGB Percent	45%, 23%, 47%
CMY	0.5451, 0.7725, 0.5294
CMYK	0.03, 0.52, 0.00, 0.53
HSL	296°, 35%, 35%
HSV	296°, 52%, 47%
XYZ	12.1057, 8.0952, 18.6938
YIQ	82.4100, 14.6660, 31.5780

Conversions

Conversions Part 2

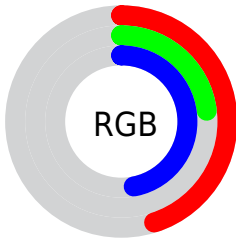
Format	Color
R_{YB}	116, 58, 120
Decimal	7617144
CIE _{Lab}	34.18, 35.27, -24.64
CIE _{LCh}	34, 43.027, 325.063
Yxy	8.0952, 0.3112, 0.2081
Android (android.graphics.Color)	4285807224 (0xFF743A78)
YUV	82.4100, 18.5319, 29.4584
Hunter-Lab	28.4521, 26.1565, -19.0387

Details

The XYZ color **12.1057, 8.0952, 18.6938** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.4671, 14.7628, 6.3539**, and the grayscale version is **8.0645, 8.4845, 9.2397**.

A 20% lighter version of the original color is **29.4830, 22.2883, 42.2833**, and **3.4601, 1.7651, 6.1196** is the 20% darker color. If you saturate the color by 10%, you get **11.4674, 6.9705, 18.5105**, and if you desaturate by 10%, it is **12.8865, 9.5031, 18.9245**.

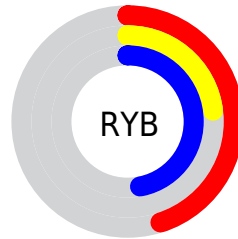
Distribution



Red (45%)

Green (23%)

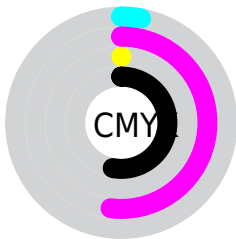
Blue (47%)



Red (45%)

Yellow (23%)

Blue (47%)

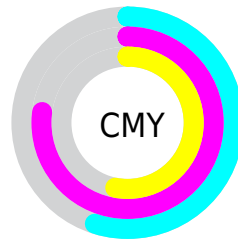


Cyan (3%)

Magenta (52%)

Yellow (0%)

Black (53%)



Cyan (55%)


Magenta (77%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1057, 8.0952, 18.6938 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 12.1057, 8.0952, 18.6938 by changing the saturation by 10% instead.


 12.1057, 8.0952,
18.6938


 12.1057, 8.0952,
18.6938


198.8595,
176.4768, 257.1193

 6.8884, 4.1559,
11.2747


 29.3027, 22.1449,
42.0458


 3.4381, 1.7612,
6.1354


 42.0130, 33.0240,
58.8158


 1.3895, 0.4628,
2.8575

 57.9518, 46.9853,
79.5398

 0.2487, 0.0000,
1.0223

 77.4844, 64.4131,
104.6364

 0.0000, 0.0000,
0.0000

 100.9761, 85.6917,
134.5241

 128.7923,

111.2056, 169.6214

161.2983,
141.3392, 210.3470

■ 12.1057, 8.0952,
18.6938

■ 12.1057, 8.0952,
18.6938

■ 11.4674, 6.9705,
18.5105

■ 12.8865, 9.5031,
18.9245

■ 10.9608, 6.1081,
18.3707

■ 13.8178, 11.2112,
19.2051

■ 10.5749, 5.4859,
18.2710

■ 14.9084, 13.2363,
19.5385

■ 10.2965, 5.0776,
18.2068

■ 16.1657, 15.5936,
19.9273

■ 10.1053, 4.8179,
18.1668

■ 17.5969, 18.2976,
20.3738

■ 19.2088, 21.3616,
20.8802

■ 21.0078, 24.7984,
21.4488

■ 22.9999, 28.6201,
22.0814

■ 25.1908, 32.8383,
22.7802

Harmonies

Analogous

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



9.8079, 8.0952, 26.8988



12.1057, 8.0952, 18.6938



13.2355, 8.0952, 9.9952

Triad

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



12.1057, 8.0952, 18.6938



8.0962, 8.0952, 1.1320



4.2393, 8.0952, 15.6409

Complementary

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



12.1057, 8.0952, 18.6938



9.4671, 14.7628, 6.3539

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.



3.9663, 8.0952, 7.7302



12.1057, 8.0952, 18.6938



5.9084, 8.0952, 1.4626

Square

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



12.1057, 8.0952, 18.6938



10.6348, 8.0952, 1.8316



4.5105, 8.0952, 3.2245



5.3528, 8.0952, 24.5871

Rectangle

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



12.1057, 8.0952, 18.6938



13.0345, 8.0952, 5.8195



4.5105, 8.0952, 3.2245



4.0574, 8.0952, 12.6925

Sweetspot

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



12.1060, 8.0956, 18.6940



27.5785, 25.8211, 34.7835



6.8653, 5.7158, 18.5108



6.4459, 5.9506, 8.2155



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.



12.1060, 8.0956, 18.6940



19.9868, 11.9447, 32.5052



11.2408, 7.8122, 11.3027



4.1302, 4.0650, 5.0101



11.0198, 5.2537, 19.8185



52.2889, 24.9179, 94.5235

Inverse Universe

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



10.1286, 7.3673, 5.4460



16.1567, 10.5477, 6.2357



10.0961, 14.9865, 10.9275



4.0078, 4.0189, 4.2389



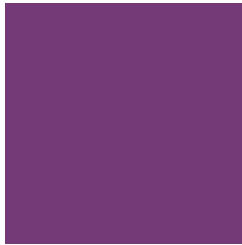
8.4943, 4.3739, 0.6280



40.4037, 20.8178, 2.3902

Previews

White Background



This preview shows how the XYZ color 12.1057, 8.0952, 18.6938 looks on a white background.

Color Contrast Check

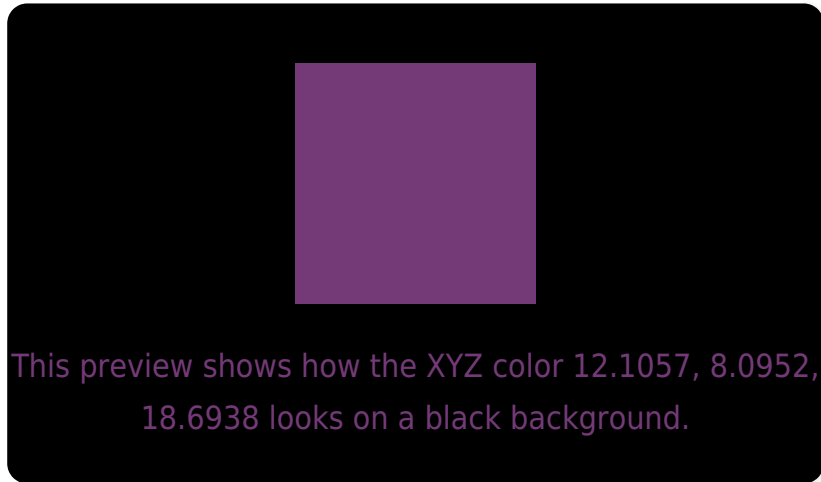
Large Text (above 18pt) WCAG AA ✓ Pass

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

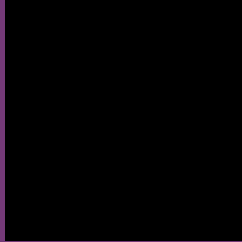
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1057, 8.0952, 18.6938

Background



This preview shows how black text looks on a background with the XYZ color 12.1057, 8.0952, 18.6938.



This preview shows how white text looks on a background with the XYZ color 12.1057, 8.0952,

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

12.1057, 8.0952, 18.6938

Protanopia

8.9590, 8.2392, 25.1629

Deuteranopia

8.3358, 8.1916, 17.6648



Tritanopia

9.7946, 8.0657, 7.5192

Trichromacy



Original Color

12.1057, 8.0952, 18.6938

Protanomaly

9.4105, 7.7230, 22.4674

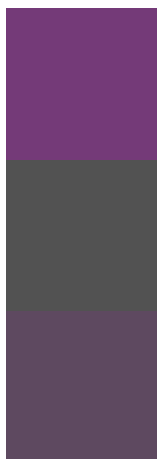
Deuteranomaly

9.2746, 7.8504, 17.8561

Tritanomaly

10.4607, 7.9807, 10.8866

Monochromacy



Original Color

12.1057, 8.0952, 18.6938

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.1100, 7.9893, 12.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1057, 8.0952, 18.6938 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(116, 58, 120)` looks like.

```
.text, #text, p{  
    color:rgb(116, 58, 120)  
}
```

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(116, 58, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 58, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.1057, 8.0952, 18.6938 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(116, 58, 120) }
```


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

```
.border{ border-color:rgb(116, 58, 120) }
```

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

Here you see how a box with a 4 pixel rgb(116, 58, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 58, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 58, 120);  
box-shadow:4px 4px 4px 4px rgb(116, 58,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1057, 8.0952, 18.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 58, 120) }
```

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

```
.background{ background-color: rgb(116, 58,  
120) }
```

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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