

Converting Colors

XYZ(12.1362, 8.2592, 18.6762)

Have a look what the booklet for
XYZ(12.1362, 8.2592, 18.6762)
contains.

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Color

**XYZ(12.2085, 8.3008,
18.7281)**

Conversions

Conversions Part 1

Format	Color
Hex	743C78
RGB	116, 60, 120
RGB Percent	45%, 24%, 47%
CMY	0.5451, 0.7647, 0.5294
CMYK	0.03, 0.50, 0.00, 0.53
HSL	296°, 33%, 35%
HSV	296°, 50%, 47%
XYZ	12.2085, 8.3008, 18.7281
YIQ	83.5840, 14.1160, 30.5320

Conversions

Conversions Part 2

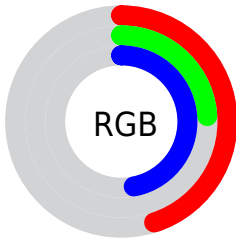
Format	Color
R_{YB}	116, 60, 120
Decimal	7617656
CIE _{Lab}	34.60, 34.17, -23.98
CIE _{LCh}	35, 41.743, 324.934
Yxy	8.3008, 0.3111, 0.2116
Android (android.graphics.Color)	4285807736 (0xFF743C78)
YUV	83.5840, 17.9531, 28.4288
Hunter-Lab	28.8111, 25.2186, -18.3725

Details

The XYZ color **12.2085, 8.3008, 18.7281** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.6467, 14.8494, 6.6332**, and the grayscale version is **8.3039, 8.7363, 9.5139**.

A 20% lighter version of the original color is **29.4809, 22.6040, 42.3444**, and **3.5038, 1.8525, 6.1341** is the 20% darker color. If you saturate the color by 10%, you get **11.5440, 7.1287, 18.5370**, and if you desaturate by 10%, it is **13.0171, 9.7593, 18.9671**.

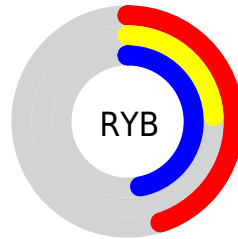
Distribution



Red (45%)

Green (24%)

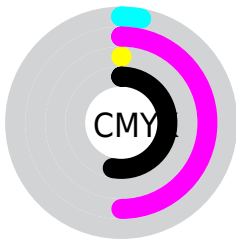
Blue (47%)



Red (45%)

Yellow (24%)

Blue (47%)

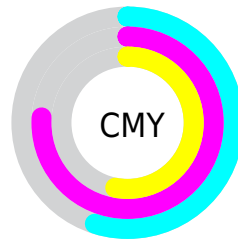


Cyan (3%)

Magenta (50%)

Yellow (0%)

Black (53%)



Cyan (55%)

Magenta (76%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2085, 8.3008, 18.7281 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 12.2085, 8.3008, 18.7281 by changing the saturation by 10% instead.

12.2085, 8.3008,
18.7281

12.2085, 8.3008,
18.7281

199.5226,
178.0727, 257.3161

6.9590, 4.2880,
11.2992

29.4879, 22.5461,
42.1047

3.4826, 1.8359,
6.1517

42.2485, 33.5473,
58.8894

1.4138, 0.5094,
2.8673

58.2435, 47.6469,
79.6299

0.2660, 0.0000,
1.0273

77.8383, 65.2291,
104.7445

0.0000, 0.0000,
0.0000

101.3983, 86.6784,
134.6519

129.2888,

112.3791, 169.7706

161.8751,
142.7158, 210.5192

■ 12.2085, 8.3008,
18.7281

■ 12.2085, 8.3008,
18.7281

■ 11.5440, 7.1287,
18.5370

■ 13.0171, 9.7593,
18.9671

■ 11.0129, 6.2224,
18.3901

■ 13.9779, 11.5209,
19.2565

■ 10.6045, 5.5602,
18.2838

■ 15.0991, 13.6020,
19.5991

■ 10.3062, 5.1166,
18.2139

■ 16.3884, 16.0180,
19.9975

■ 10.0725, 4.8010,
18.1653

■ 17.8529, 18.7829,
20.4540

■ 10.0724, 4.8009,
18.1653

■ 19.4991, 21.9100,
20.9708

■ 21.3335, 25.4121,
21.5501

■ 23.3621, 29.3010,
22.1938

■ 25.5905, 33.5883,
22.9039

Harmonies

Analogous

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



9.9576, 8.3008, 26.6445



12.2085, 8.3008, 18.7281



13.3167, 8.3008, 10.2328

Triad

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



12.2085, 8.3008, 18.7281



8.2964, 8.3008, 1.2960



4.4536, 8.3008, 15.6848

Complementary

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



12.2085, 8.3008, 18.7281



9.6467, 14.8494, 6.6332

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.



4.1830, 8.3008, 7.9404



12.2085, 8.3008, 18.7281



6.1299, 8.3008, 1.6400

Square

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



12.2085, 8.3008, 18.7281



10.7888, 8.3008, 2.0352



4.7324, 8.3008, 3.4459



5.5628, 8.3008, 24.3581

Rectangle

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



12.2085, 8.3008, 18.7281



13.1258, 8.3008, 6.0901



4.7324, 8.3008, 3.4459



4.2723, 8.3008, 12.8107

Sweetspot

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



12.2088, 8.3012, 18.7283



27.5689, 25.8162, 34.7831



7.0874, 5.9839, 18.5509



6.4433, 5.9493, 8.2154



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.



12.2088, 8.3012, 18.7283



20.1518, 12.2748, 32.5602



11.3823, 8.0333, 11.5407



4.1294, 4.0646, 5.0101



10.9837, 5.2351, 19.8169



52.1085, 24.8249, 94.5151

Inverse Universe

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



10.2873, 7.5953, 5.7747



16.4149, 10.9151, 6.7814



10.2600, 15.0657, 11.1717



4.0081, 4.0190, 4.2405



8.4958, 4.3745, 0.6358



40.4079, 20.8195, 2.4122

Previews

White Background



This preview shows how the XYZ color 12.2085, 8.3008, 18.7281 looks on a white background.

Color Contrast Check

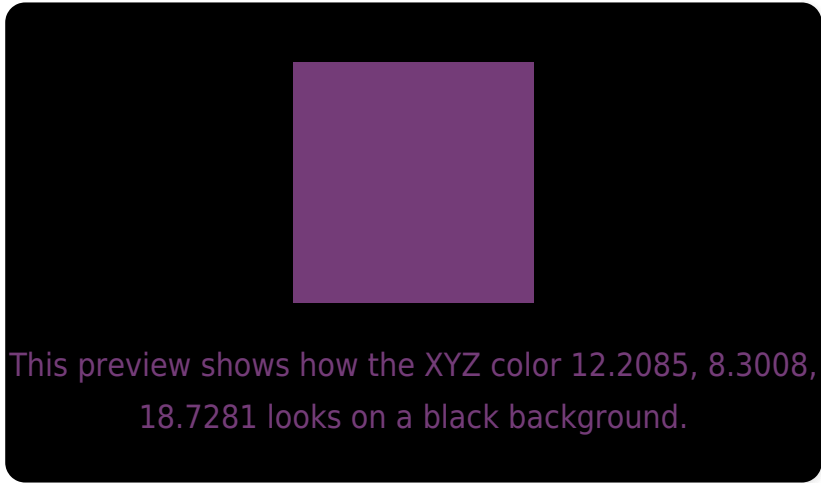
Large Text (above 18pt) WCAG AA ✓ Pass

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

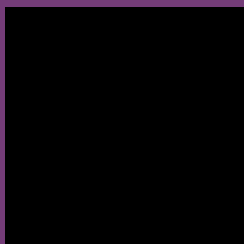
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2085, 8.3008, 18.7281

Background



This preview shows how black text looks on a background with the XYZ color 12.2085, 8.3008, 18.7281.



This preview shows how white text looks on a background with the XYZ color 12.2085, 8.3008,

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

12.2085, 8.3008, 18.7281

Protanopia

9.1289, 8.4430, 24.8154

Deuteranopia

8.5491, 8.4110, 17.6959



Tritanopia

9.9882, 8.3433, 7.9215

Trichromacy



Original Color

12.2085, 8.3008, 18.7281

Protanomaly

9.7037, 8.0660, 22.5182

Deuteranomaly

9.4312, 8.0279, 17.8821

Tritanomaly

10.6210, 8.2318, 11.1543

Monochromacy



Original Color

12.2085, 8.3008, 18.7281

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4976, 8.3820, 12.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2085, 8.3008, 18.7281 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, 60, 120)` looks like.

```
.text, #text, p{  
    color:rgb(116, 60, 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, 60, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 60, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.2085, 8.3008, 18.7281 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, 60, 120) }
```


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

```
.border{ border-color:rgb(116, 60, 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, 60, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 60, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 60, 120);  
box-shadow:4px 4px 4px 4px rgb(116, 60,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2085, 8.3008, 18.7281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 60, 120) }
```

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

```
.background{ background-color: rgb(116, 60,  
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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