

Converting Colors

XYZ(12.1070, 6.1637, 26.4588)

Have a look what the booklet for
XYZ(12.1070, 6.1637, 26.4588)
contains.

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Color

**XYZ(12.0946, 6.1471,
26.5357)**

Conversions

Conversions Part 1

Format	Color
Hex	71188F
RGB	113, 24, 143
RGB Percent	44%, 9%, 56%
CMY	0.5569, 0.9059, 0.4392
CMYK	0.21, 0.83, 0.00, 0.44
HSL	285°, 71%, 33%
HSV	285°, 83%, 56%
XYZ	12.0946, 6.1471, 26.5357
YIQ	64.1770, 14.8450, 55.8770

Conversions

Conversions Part 2

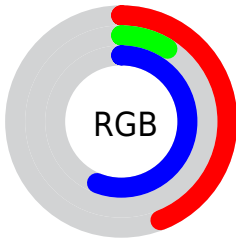
Format	Color
R _Y B	113, 24, 143
Decimal	7411855
CIE Lab	29.78, 54.16, -45.99
CIE LCh	30, 71.055, 319.661
Yxy	6.1471, 0.2701, 0.1373
Android (android.graphics.Color)	4285601935 (0xFF71188F)
YUV	64.1770, 38.8597, 42.8178
Hunter-Lab	24.7933, 43.6869, -46.1013

Details

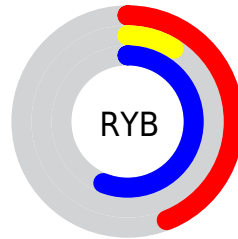
The XYZ color **12.0946, 6.1471, 26.5357** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **11.5088, 20.4953, 4.2137**, and the grayscale version is **4.8420, 5.0941, 5.5475**.

A 20% lighter version of the original color is **29.2102, 18.1394, 55.3878**, and **3.7354, 1.7025, 10.2570** is the 20% darker color. If you saturate the color by 10%, you get **11.4189, 5.4702, 26.4408**, and if you desaturate by 10%, it is **12.9441, 7.1435, 26.6834**.

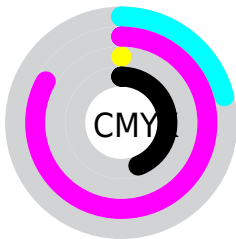
Distribution



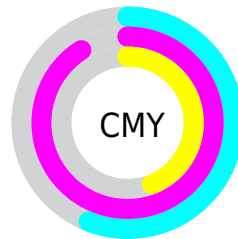
- Red (44%)
- Green (9%)
- Blue (56%)



- Red (44%)
- Yellow (9%)
- Blue (56%)



- Cyan (21%)
- Magenta (83%)
- Yellow (0%)
- Black (44%)



- Cyan (56%)
- Magenta (91%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0946, 6.1471, 26.5357 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 12.0946, 6.1471, 26.5357 by changing the saturation by 10% instead.

■ 12.0946, 6.1471,
26.5357

■ 12.0946, 6.1471,
26.5357

■ 198.7877,
160.3759, 299.0907

■ 6.8808, 2.9347,
16.9955

■ 29.2826, 18.2356,
55.1326

■ 3.4333, 1.0978,
10.0693

■ 41.9876, 27.8805,
75.0263

■ 1.3868, 0.0000,
5.3388

■ 57.9203, 40.4383,
99.2082

■ 0.2468, 0.0000,
2.3852

■ 77.4461, 56.2935,
128.0970

■ 0.0000, 0.0000,
0.7784

■ 100.9304, 75.8305,
162.1111

■ 0.0000, 0.0000,
0.0000

■ 128.7386, 99.4336,

201.6690

161.2359,
127.4873, 247.1894

12.0946, 6.1471,
26.5357

12.0946, 6.1471,
26.5357

11.4189, 5.4702,
26.4408

12.9441, 7.1435,
26.6834

11.0155, 5.1059,
26.3917

13.9881, 8.5014,
26.8904

15.2450, 10.2573,
27.1631

16.7307, 12.4425,
27.5066

18.4597, 15.0857,
27.9257

■ 20.4450, 18.2127,
28.4246

■ 22.6988, 21.8475,
29.0074

■ 25.2323, 26.0125,
29.6778

■ 28.0563, 30.7286,
30.4392

Harmonies

Analogous

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



8.2338, 6.1471, 42.2218



12.0946, 6.1471, 26.5357



14.5107, 6.1471, 10.4894

Triad

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



12.0946, 6.1471, 26.5357



7.0501, 6.1471, 0.0000



1.6867, 6.1471, 14.8028

Complementary

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



12.0946, 6.1471, 26.5357



11.5088, 20.4953, 4.2137

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.



1.5734, 6.1471, 3.9450



12.0946, 6.1471, 26.5357



3.9660, 6.1471, 0.0000

Square

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



12.0946, 6.1471, 26.5357



10.9543, 6.1471, 0.0000



2.2314, 6.1471, 0.3742



2.6355, 6.1471, 32.0868

Rectangle

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



12.0946, 6.1471, 26.5357



14.5345, 6.1471, 4.0949



2.2314, 6.1471, 0.3742



1.5680, 6.1471, 10.2080

Sweetspot

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



12.0949, 6.1473, 26.5358



35.7493, 31.2415, 50.6840



6.7360, 4.9801, 26.5930



7.9375, 6.7527, 11.5573



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.0949, 6.1473, 26.5358



19.5636, 9.0597, 47.2556



14.7624, 7.7362, 17.0055



5.4953, 5.4435, 6.7898



9.7595, 4.5248, 23.3361



0.1135, 0.0537, 0.2241

Inverse Universe

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



12.3203, 6.7594, 4.1454



20.7978, 10.6625, 3.6435



10.8139, 20.0851, 6.5284



5.4612, 5.4450, 5.9267



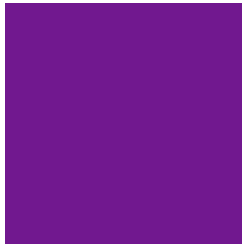
10.3056, 5.2792, 1.9945



0.1063, 0.0536, 0.0601

Previews

White Background



This preview shows how the XYZ color 12.0946, 6.1471, 26.5357 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

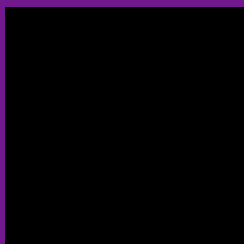
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0946, 6.1471, 26.5357

Background



This preview shows how black text looks on a background with the XYZ color 12.0946, 6.1471, 26.5357.



This preview shows how white text looks on a background with the XYZ color 12.0946, 6.1471,

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

12.0946, 6.1471, 26.5357

Protanopia

7.3164, 6.3316, 28.0306

Deuteranopia

6.2788, 6.3236, 21.3117



Tritanopia

7.8562, 6.2648, 5.6456

Trichromacy



Original Color

12.0946, 6.1471, 26.5357

Protanomaly

7.2984, 5.0620, 27.3805

Deuteranomaly

6.5143, 4.8972, 22.7922

Tritanomaly

8.7785, 5.7476, 11.0026

Monochromacy



Original Color

12.0946, 6.1471, 26.5357

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.5538, 4.7808, 10.9333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0946, 6.1471, 26.5357 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(113, 24, 143)` looks like.

```
.text, #text, p{  
    color:rgb(113, 24, 143)  
}
```

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(113, 24, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 24, 143) }
```

Border

The CSS property to change the border of an element to XYZ 12.0946, 6.1471, 26.5357 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(113, 24, 143) }
```


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

```
.border{ border-color:rgb(113, 24, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 24, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 24, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 24, 143);  
box-shadow:4px 4px 4px 4px rgb(113, 24,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0946, 6.1471, 26.5357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 24, 143) }
```

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

```
.background{ background-color: rgb(113, 24,  
143) }
```

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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