

Converting Colors

XYZ(12.6954, 5.8051, 34.0080)

Have a look what the booklet for
XYZ(12.6954, 5.8051, 34.0080)
contains.

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Color

**XYZ(12.7397, 5.8244,
34.1710)**

Conversions

Conversions Part 1

Format	Color
Hex	6D00A1
RGB	109, 0, 161
RGB Percent	43%, 0%, 63%
CMY	0.5725, 1.0000, 0.3686
CMYK	0.32, 1.00, 0.00, 0.37
HSL	281°, 100%, 32%
HSV	281°, 100%, 63%
XYZ	12.7397, 5.8244, 34.1710
YIQ	50.9450, 13.2830, 73.1790

Conversions

Conversions Part 2

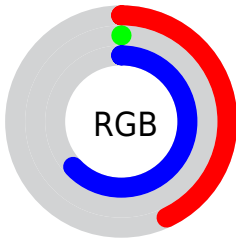
Format	Color
RYB	109, 0, 161
Decimal	7143585
CIELab	28.97, 62.07, -58.39
CIELCh	29, 85.216, 316.751
Yxy	5.8244, 0.2416, 0.1104
Android (android.graphics.Color)	4285333665 (0xFF6D00A1)
YUV	50.9450, 54.2571, 50.9142
Hunter-Lab	24.1338, 51.9921, -67.0550

Details

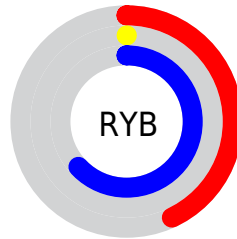
The XYZ color **12.7397, 5.8244, 34.1710** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.1610, 26.2199, 4.3146**, and the grayscale version is **3.0786, 3.2390, 3.5272**.

A 20% lighter version of the original color is **30.5035, 17.6232, 67.4395**, and **4.1229, 1.8128, 14.3200** is the 20% darker color. If you saturate the color by 10%, you get **12.7400, 5.8246, 34.1711**, and if you desaturate by 10%, it is **13.5856, 6.5378, 34.2642**.

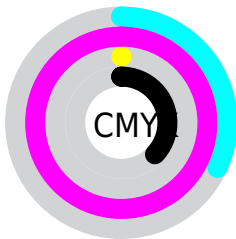
Distribution



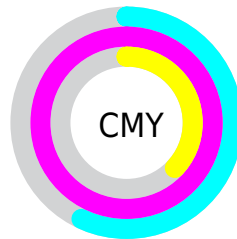
- Red (43%)
- Green (0%)
- Blue (63%)



- Red (43%)
- Yellow (0%)
- Blue (63%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (37%)



- Cyan (57%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7397, 5.8244, 34.1710 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 12.7397, 5.8244, 34.1710 by changing the saturation by 10% instead.

12.7397, 5.8244,
34.1710

12.7397, 5.8244,
34.1710

202.9141,
157.5034, 335.6863

7.3253, 2.7386,
22.7466

30.4407, 17.5657,
67.3364

3.7145, 0.9968,
14.2030

43.4579, 26.9900,
89.9145

1.5419, 0.0000,
8.1216

59.7402, 39.2959,
117.0476

0.3541, 0.0000,
4.0840

79.6529, 54.8678,
149.1541

0.0000, 0.0000,
1.6715

103.5612, 74.0901,
186.6527

0.0000, 0.0000,
0.3411

131.8306, 97.3472,

0.0000, 0.0000,

229.9619

0.0000


 164.8265,
125.0235, 279.5003


 12.7397, 5.8244,
34.1710


 12.7397, 5.8244,
34.1710


 12.7400, 5.8246,
34.1711

 13.5856, 6.5378,
34.2642

 14.6180, 7.5675,
34.4086

 15.9018, 9.0418,
34.6255

 17.4646, 11.0155,
34.9241

 19.3304, 13.5351,
35.3121

■ 21.5201, 16.6419,
35.7963

■ 24.0527, 20.3730,
36.3830

■ 26.9456, 24.7624,
37.0778

■ 30.2150, 29.8417,
37.8859

Harmonies

Analogous

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



7.9184, 5.8244, 54.8392



12.7397, 5.8244, 34.1710



16.1194, 5.8244, 12.4435

Triad

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



12.7397, 5.8244, 34.1710



7.3838, 5.8244, 0.0000



1.0744, 5.8244, 14.4799

Complementary

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



12.7397, 5.8244, 34.1710



14.1610, 26.2199, 4.3146

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.



1.0362, 5.8244, 2.6549



12.7397, 5.8244, 34.1710



3.6868, 5.8244, 0.0000

Square

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



12.7397, 5.8244, 34.1710



12.1976, 5.8244, 0.0000



1.7387, 5.8244, 0.0000



1.8886, 5.8244, 37.0240

Rectangle

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



12.7397, 5.8244, 34.1710



16.4143, 5.8244, 4.1875



1.7387, 5.8244, 0.0000



0.9899, 5.8244, 9.1314

Sweetspot

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



12.7400, 5.8246, 34.1711



42.8037, 36.0788, 65.0944



7.7368, 5.1807, 34.3106



8.9818, 7.3102, 14.1813



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



12.7400, 5.8246, 34.1711



22.6022, 10.3210, 61.1874



19.0127, 9.3030, 23.4089



7.1409, 7.0870, 8.8946



10.2189, 4.6745, 27.2935



0.2608, 0.1220, 0.5757

Inverse Universe

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



15.3178, 7.8250, 3.9516



27.3520, 13.9816, 6.6515



12.9408, 25.5682, 5.2800



7.1637, 7.1219, 7.8483



12.2508, 6.2564, 3.2453



0.2782, 0.1398, 0.1779

Previews

White Background



This preview shows how the XYZ color 12.7397, 5.8244, 34.1710 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

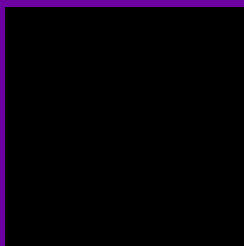
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7397, 5.8244, 34.1710

Background



This preview shows how black text looks on a background with the XYZ color 12.7397, 5.8244, 34.1710.



This preview shows how white text looks on a background with the XYZ color 12.7397, 5.8244,

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

12.7397, 5.8244, 34.1710

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.0842, 6.2458, 20.2869



Tritanopia

7.2345, 6.2477, 6.2935

Trichromacy



Original Color

12.7397, 5.8244, 34.1710

Protanomaly

7.3617, 4.4868, 29.7562

Deuteranomaly

6.4395, 4.2401, 24.5238

Tritanomaly

8.1941, 5.0736, 13.1178

Monochromacy



Original Color

12.7397, 5.8244, 34.1710

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0773, 3.1661, 10.2410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7397, 5.8244, 34.1710 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(109, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 161)  
}
```

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(109, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 12.7397, 5.8244, 34.1710 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(109, 0, 161) }
```


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

```
.border{ border-color:rgb(109, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7397, 5.8244, 34.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 161) }
```

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

```
.background{ background-color: rgb(109, 0,  
161) }
```

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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