

Converting Colors

XYZ(12.6815, 5.8002, 34.4604)

Have a look what the booklet for
XYZ(12.6815, 5.8002, 34.4604)
contains.

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Color

**XYZ(12.7168, 5.8185,
34.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	6C01A2
RGB	108, 1, 162
RGB Percent	42%, 0%, 64%
CMY	0.5765, 0.9961, 0.3647
CMYK	0.33, 0.99, 0.00, 0.36
HSL	280°, 99%, 32%
HSV	280°, 99%, 64%
XYZ	12.7168, 5.8185, 34.6352
YIQ	51.3470, 12.0910, 72.7550

Conversions

Conversions Part 2

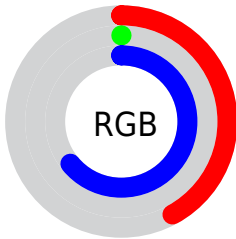
Format	Color
R_{YB}	108, 1, 162
Decimal	7078306
CIE _{Lab}	28.95, 61.98, -59.03
CIE _{LCh}	29, 85.591, 316.399
Yxy	5.8185, 0.2392, 0.1094
Android (android.graphics.Color)	4285268386 (0xFF6C01A2)
YUV	51.3470, 54.5519, 49.6847
Hunter-Lab	24.1216, 51.8918, -68.2471

Details

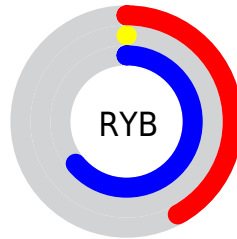
The XYZ color **12.7168, 5.8185, 34.6352** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.5013, 26.6551, 4.4094**, and the grayscale version is **3.1248, 3.2875, 3.5801**.

A 20% lighter version of the original color is **30.4252, 17.5678, 68.1170**, and **4.1256, 1.8079, 14.5995** is the 20% darker color. If you saturate the color by 10%, you get **12.6655, 5.7759, 34.6298**, and if you desaturate by 10%, it is **13.5915, 6.5555, 34.7315**.

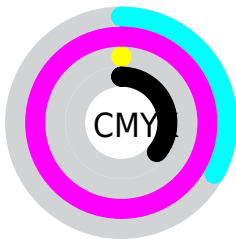
Distribution



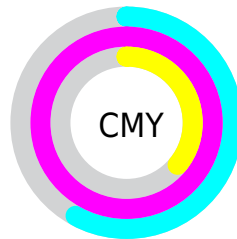
- Red (42%)
- Green (0%)
- Blue (64%)



- Red (42%)
- Yellow (0%)
- Blue (64%)



- Cyan (33%)
- Magenta (99%)
- Yellow (0%)
- Black (36%)



- Cyan (58%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7168, 5.8185, 34.6352 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 12.7168, 5.8185, 34.6352 by changing the saturation by 10% instead.

12.7168, 5.8185,
34.6352

12.7168, 5.8185,
34.6352

202.7691,
157.4502, 337.8104

7.3095, 2.7350,
23.1007

30.3997, 17.5534,
68.0654

3.7044, 0.9950,
14.4619

43.4060, 26.9736,
90.7982

1.5363, 0.0000,
8.3002

59.6760, 39.2748,
118.1008

0.3503, 0.0000,
4.1971

79.5751, 54.8415,
150.3918

0.0000, 0.0000,
1.7341

103.4686, 74.0579,
188.0897


0.0000, 0.0000,
0.3839


131.7219, 97.3086,

0.0000, 0.0000,

231.6131


0.0000

 164.7002,
124.9779, 281.3805

 12.7168, 5.8185,
34.6352


 12.7168, 5.8185,
34.6352


 12.6655, 5.7759,
34.6298

 13.5915, 6.5555,
34.7315

 14.6665, 7.6315,
34.8825

 16.0012, 9.1636,
35.1079

 17.6237, 11.2069,
35.4168

 19.5579, 13.8084,
35.8170

■ 21.8252, 17.0097,
36.3154

■ 24.4448, 20.8483,
36.9182

■ 27.4343, 25.3587,
37.6313

■ 30.8101, 30.5727,
38.4598

Harmonies

Analogous

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



7.8683, 5.8185, 55.3402



12.7168, 5.8185, 34.6352



16.1505, 5.8185, 12.6644

Triad

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



12.7168, 5.8185, 34.6352



7.4391, 5.8185, 0.0000



1.0580, 5.8185, 14.3012

Complementary

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



12.7168, 5.8185, 34.6352



14.5013, 26.6551, 4.4094

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.



1.0276, 5.8185, 2.5702



12.7168, 5.8185, 34.6352



3.7084, 5.8185, 0.0000

Square

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



12.7168, 5.8185, 34.6352



12.2810, 5.8185, 0.0000



1.7396, 5.8185, 0.0000



1.8593, 5.8185, 36.9332

Rectangle

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



12.7168, 5.8185, 34.6352



16.4794, 5.8185, 4.2721



1.7396, 5.8185, 0.0000



0.9764, 5.8185, 8.9745

Sweetspot

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



12.7171, 5.8187, 34.6353



43.7776, 36.9571, 66.8822



8.0147, 5.5762, 34.8364



9.3927, 7.6526, 14.9196



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.7171, 5.8187, 34.6353



22.7671, 10.3692, 62.8576



19.4878, 9.5338, 24.8011



7.1324, 7.0826, 8.8942



10.0252, 4.5747, 27.2844



0.2577, 0.1204, 0.5755

Inverse Universe

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



15.6008, 7.9790, 4.3321



28.1874, 14.3998, 7.2526



13.1100, 25.9180, 5.2400



7.1672, 7.1233, 7.8669



12.2879, 6.2712, 3.4409



0.2795, 0.1403, 0.1843

Previews

White Background



This preview shows how the XYZ color 12.7168, 5.8185, 34.6352 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

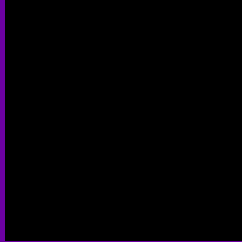
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7168, 5.8185, 34.6352

Background



This preview shows how black text looks on a background with the XYZ color 12.7168, 5.8185, 34.6352.



This preview shows how white text looks on a background with the XYZ color 12.7168, 5.8185,

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

12.7168, 5.8185, 34.6352

Protanopia

7.1622, 6.2699, 27.2183

Deuteranopia

6.0842, 6.2458, 20.2869



Tritanopia

7.1353, 6.1965, 6.2888

Trichromacy



Original Color

12.7168, 5.8185, 34.6352

Protanomaly

7.3233, 4.4671, 29.7544

Deuteranomaly

6.4407, 4.2993, 24.5352

Tritanomaly

8.0868, 5.0183, 13.1128

Monochromacy



Original Color

12.7168, 5.8185, 34.6352

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.1047, 3.2208, 10.2502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7168, 5.8185, 34.6352 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(108, 1, 162)` looks like.

```
.text, #text, p{  
    color:rgb(108, 1, 162)  
}
```

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(108, 1, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 1, 162) }
```

Border

The CSS property to change the border of an element to XYZ 12.7168, 5.8185, 34.6352 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(108, 1, 162) }
```


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

```
.border{ border-color:rgb(108, 1, 162) }
```

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

Here you see how a box with a 4 pixel rgb(108, 1, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 1, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 1, 162);  
box-shadow:4px 4px 4px 4px rgb(108, 1,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7168, 5.8185, 34.6352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 1, 162) }
```

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

```
.background{ background-color: rgb(108, 1,  
162) }
```

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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