

Converting Colors

XYZ(12.0471, 5.4259, 36.0097)

Have a look what the booklet for
XYZ(12.0471, 5.4259, 36.0097)
contains.

XYZ(12.0471, 5.4259, 36.0097)	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(12.0471, 5.4259,
36.0097)**

Conversions

Conversions Part 1

Format	Color
Hex	6400A5
RGB	100, 0, 165
RGB Percent	39%, 0%, 65%
CMY	0.6078, 1.0000, 0.3529
CMYK	0.39, 1.00, 0.00, 0.35
HSL	276°, 100%, 32%
HSV	276°, 100%, 65%
XYZ	12.0471, 5.4259, 36.0097
YIQ	48.7100, 6.6350, 72.5150

Conversions

Conversions Part 2

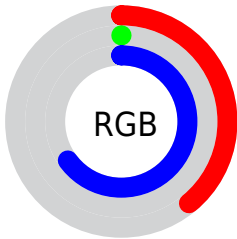
Format	Color
R_{YB}	100, 0, 165
Decimal	6553765
CIE _{Lab}	27.92, 61.87, -62.59
CIE _{LCh}	28, 88.011, 314.668
Yxy	5.4259, 0.2253, 0.1015
Android (android.graphics.Color)	4284743845 (0xFF6400A5)
YUV	48.7100, 57.3310, 44.9813
Hunter-Lab	23.2936, 51.5539, -75.3514

Details

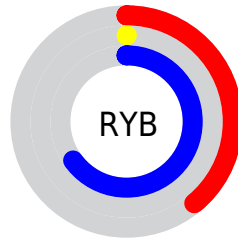
The XYZ color **12.0471, 5.4259, 36.0097** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.6350, 28.0341, 4.5871**, and the grayscale version is **2.8258, 2.9730, 3.2376**.

A 20% lighter version of the original color is **29.0839, 16.6448, 70.0865**, and **3.7997, 1.6210, 15.4418** is the 20% darker color. If you saturate the color by 10%, you get **12.0475, 5.4261, 36.0099**, and if you desaturate by 10%, it is **12.9882, 6.1973, 36.1091**.

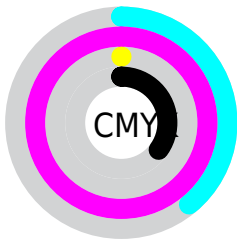
Distribution



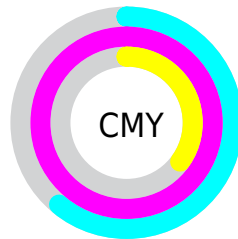
- Red (39%)
- Green (0%)
- Blue (65%)



- Red (39%)
- Yellow (0%)
- Blue (65%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)




- Cyan (61%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0471, 5.4259, 36.0097 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 12.0471, 5.4259, 36.0097 by changing the saturation by 10% instead.


 12.0471, 5.4259,
36.0097


 12.0471, 5.4259,
36.0097


198.4804,
153.8566, 344.0416


 6.8482, 2.4993,
24.1519


 29.1970, 16.7278,
70.2163

 3.4128, 0.8763,
15.2331


 41.8786, 25.8719,
93.4021

 1.3756, 0.0000,
8.8347


 57.7853, 37.8572,
121.2011

 0.2388, 0.0000,
4.5382

 77.2822, 53.0682,
154.0317

 0.0000, 0.0000,
1.9250

 100.7349, 71.8892,
192.3126


 0.0000, 0.0000,
0.5086

 128.5085, 94.7047,

 0.0000, 0.0000,

236.4621


0.0000

 160.9686,
121.8990, 286.8990

 12.0471, 5.4259,
36.0097


 12.0471, 5.4259,
36.0097

 12.0475, 5.4261,
36.0099

 12.9882, 6.1973,
36.1091

 14.1458, 7.3152,
36.2639

 15.5878, 8.9129,
36.4963

 17.3443, 11.0489,
36.8160

 19.4411, 13.7730,
37.2313

■ 21.9012, 17.1295,
37.7495

■ 24.7451, 21.1579,
38.3772

■ 27.9919, 25.8947,
39.1203

■ 31.6594, 31.3737,
39.9846

Harmonies

Analogous

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



7.2015, 5.4259, 56.6501



12.0471, 5.4259, 36.0097



15.6703, 5.4259, 13.2012

Triad

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



12.0471, 5.4259, 36.0097



7.3027, 5.4259, 0.0000



0.8590, 5.4259, 12.8104

Complementary

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



12.0471, 5.4259, 36.0097



15.6350, 28.0341, 4.5871

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.



0.8655, 5.4259, 1.9632



12.0471, 5.4259, 36.0097



3.5417, 5.4259, 0.0000

Square

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



12.0471, 5.4259, 36.0097



12.1513, 5.4259, 0.0000



1.5730, 5.4259, 0.0000



1.5464, 5.4259, 35.4486

Rectangle

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



12.0471, 5.4259, 36.0097



16.1625, 5.4259, 4.3850



1.5730, 5.4259, 0.0000



0.7960, 5.4259, 7.7479

Sweetspot

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



12.0475, 5.4261, 36.0099



44.0181, 37.4631, 68.6634



8.7398, 6.6131, 36.4133



9.1641, 7.5348, 14.9089



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.



12.0475, 5.4261, 36.0099



21.3419, 9.5971, 64.4799



20.9021, 10.1534, 29.0832



7.0929, 7.0623, 8.8924



9.1713, 4.1344, 27.2444



0.2436, 0.1131, 0.5748

Inverse Universe

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



16.4712, 8.3810, 5.7501



29.4050, 14.9723, 9.8054



13.5525, 26.9493, 4.9975



7.1839, 7.1300, 7.9550



12.4838, 6.3496, 4.4721



0.2852, 0.1426, 0.2144

Previews

White Background



This preview shows how the XYZ color 12.0471, 5.4259, 36.0097 looks on a white background.

Color Contrast Check

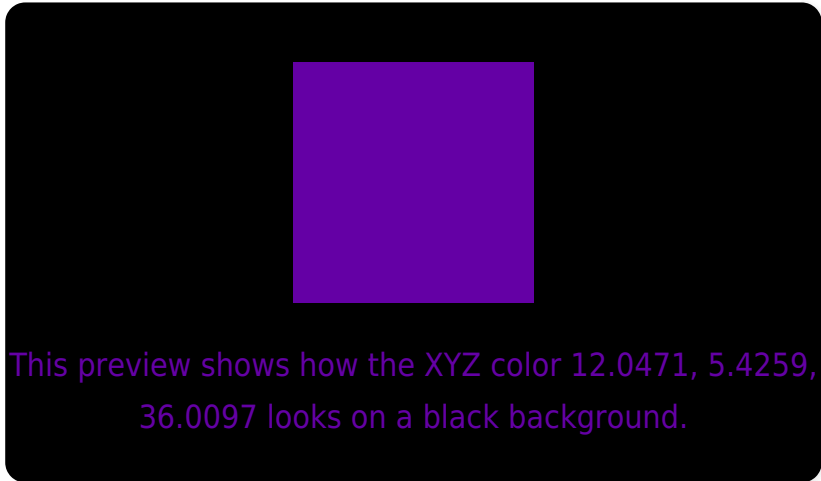
Large Text (above 18pt) WCAG AA ✓ Pass

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

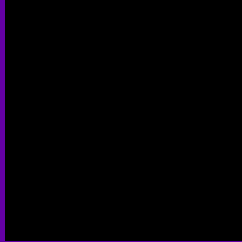
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0471, 5.4259, 36.0097

Background



This preview shows how black text looks on a background with the XYZ color 12.0471, 5.4259, 36.0097.



This preview shows how white text looks on a background with the XYZ color 12.0471, 5.4259, 36.0097.

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

12.0471, 5.4259, 36.0097

Protanopia

6.6818, 5.7899, 25.5763

Deuteranopia

5.6434, 5.8625, 18.6034



Tritanopia

6.2158, 5.8019, 6.4225

Trichromacy



Original Color

12.0471, 5.4259, 36.0097

Protanomaly

6.9803, 4.2009, 28.8767

Deuteranomaly

6.1099, 4.0294, 23.7483

Tritanomaly

7.2221, 4.6116, 13.6062

Monochromacy



Original Color

12.0471, 5.4259, 36.0097

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7622, 2.9642, 10.2187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0471, 5.4259, 36.0097 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(100, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 165)  
}
```

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(100, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 12.0471, 5.4259, 36.0097 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(100, 0, 165) }
```


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

```
.border{ border-color:rgb(100, 0, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 0, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0471, 5.4259, 36.0097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 165) }
```

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

```
.background{ background-color: rgb(100, 0,  
165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor