

Converting Colors

XYZ(12.2390, 5.5437, 35.1693)

Have a look what the booklet for
XYZ(12.2390, 5.5437, 35.1693)
contains.

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Color

**XYZ(12.2044, 5.5279,
35.0741)**

Conversions

Conversions Part 1	
Format	Color
Hex	6700A3
RGB	103, 0, 163
RGB Percent	40%, 0%, 64%
CMY	0.5961, 1.0000, 0.3608
CMYK	0.37, 1.00, 0.00, 0.36
HSL	278°, 100%, 32%
HSV	278°, 100%, 64%
XYZ	12.2044, 5.5279, 35.0741
YIQ	49.3790, 9.0650, 72.5290

Conversions

Conversions Part 2

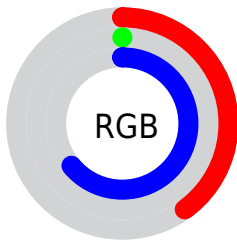
Format	Color
RYB	103, 0, 163
Decimal	6750371
CIELab	28.19, 61.78, -60.91
CIELCh	28, 86.759, 315.405
Yxy	5.5279, 0.2311, 0.1047
Android (android.graphics.Color)	4284940451 (0xFF6700A3)
YUV	49.3790, 56.0152, 47.0256
Hunter-Lab	23.5115, 51.5111, -71.9899

Details

The XYZ color **12.2044, 5.5279, 35.0741** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.9606, 27.1551, 4.4530**, and the grayscale version is **2.9006, 3.0516, 3.3232**.

A 20% lighter version of the original color is **29.4735, 16.9684, 68.7396**, and **3.8532, 1.6613, 14.8694** is the 20% darker color. If you saturate the color by 10%, you get **12.2047, 5.5281, 35.0742**, and if you desaturate by 10%, it is **13.1077, 6.2753, 35.1709**.

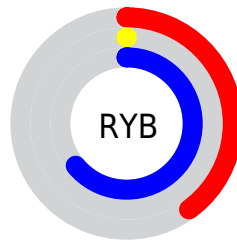
Distribution



Red (40%)

Green (0%)

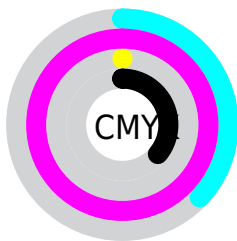
Blue (64%)



Red (40%)

Yellow (0%)

Blue (64%)

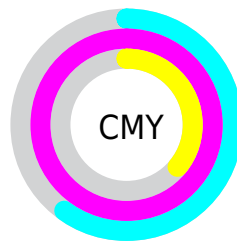


Cyan (37%)

Magenta (100%)

Yellow (0%)

Black (36%)



Cyan (60%)


Magenta (100%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2044, 5.5279, 35.0741 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 12.2044, 5.5279, 35.0741 by changing the saturation by 10% instead.


 12.2044, 5.5279,
35.0741


 12.2044, 5.5279,
35.0741


 199.4962,
154.8011, 339.8095


 6.9562, 2.5602,
23.4360


 29.4805, 16.9435,
68.7534


 3.4808, 0.9067,
14.7074


 42.2391, 26.1601,
91.6317


 1.4128, 0.0000,
8.4700


 58.2319, 38.2285,
119.0937

 0.2653, 0.0000,
4.3051

 77.8242, 53.5331,
151.5580

 0.0000, 0.0000,
1.7941

 101.3815, 72.4583,
189.4433


 0.0000, 0.0000,
0.4241


 129.2690, 95.3884,

 0.0000, 0.0000,

233.1679


0.0000


 161.8521,
122.7079, 283.1504

 12.2044, 5.5279,
35.0741


 12.2044, 5.5279,
35.0741


 12.2047, 5.5281,
35.0742

 13.1077, 6.2753,
35.1709

 14.2143, 7.3550,
35.3210

 15.5905, 8.8977,
35.5462

 17.2654, 10.9601,
35.8560

 19.2637, 13.5905,
36.2584

■ 21.6076, 16.8315,
36.7604

■ 24.3168, 20.7214,
37.3685

■ 27.4095, 25.2957,
38.0884

■ 30.9028, 30.5869,
38.9256

Harmonies

Analogous

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



7.4014, 5.5279, 55.5704



12.2044, 5.5279, 35.0741



15.7150, 5.5279, 12.8294

Triad

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



12.2044, 5.5279, 35.0741



7.2789, 5.5279, 0.0000



0.9270, 5.5279, 13.3001

Complementary

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



12.2044, 5.5279, 35.0741



14.9606, 27.1551, 4.4530

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.



0.9187, 5.5279, 2.1821



12.2044, 5.5279, 35.0741



3.5683, 5.5279, 0.0000

Square

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



12.2044, 5.5279, 35.0741



12.0789, 5.5279, 0.0000



1.6205, 5.5279, 0.0000



1.6535, 5.5279, 35.7440

Rectangle

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



12.2044, 5.5279, 35.0741



16.1334, 5.5279, 4.2824



1.6205, 5.5279, 0.0000



0.8577, 5.5279, 8.1710

Sweetspot

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



12.2047, 5.5281, 35.0742



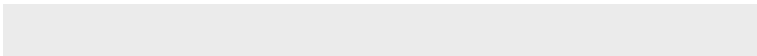
43.2615, 36.6911, 66.8581



8.3599, 6.1424, 35.3955



9.2642, 7.5864, 14.9136



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.



12.2047, 5.5281, 35.0742



21.6306, 9.7833, 62.8044



20.1371, 9.7997, 27.2092



7.1103, 7.0712, 8.8932



9.5365, 4.3227, 27.2615



0.2497, 0.1163, 0.5751

Inverse Universe

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



15.9199, 8.1128, 5.0015



28.4223, 14.4938, 8.4893



13.2149, 26.2416, 4.9855



7.1765, 7.1271, 7.9160



12.3930, 6.3133, 3.9943



0.2827, 0.1416, 0.2011

Previews

White Background



This preview shows how the XYZ color 12.2044, 5.5279, 35.0741 looks on a white background.

Color Contrast Check

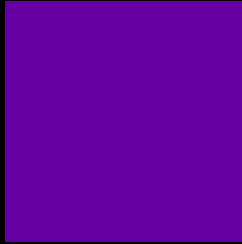
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 12.2044, 5.5279, 35.0741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

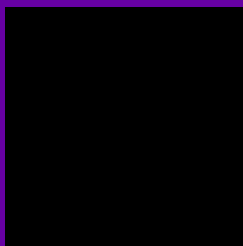
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2044, 5.5279, 35.0741

Background



This preview shows how black text looks on a background with the XYZ color 12.2044, 5.5279, 35.0741.



This preview shows how white text looks on a background with the XYZ color 12.2044, 5.5279,

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

12.2044, 5.5279, 35.0741

Protanopia

6.8149, 5.9374, 25.9862

Deuteranopia

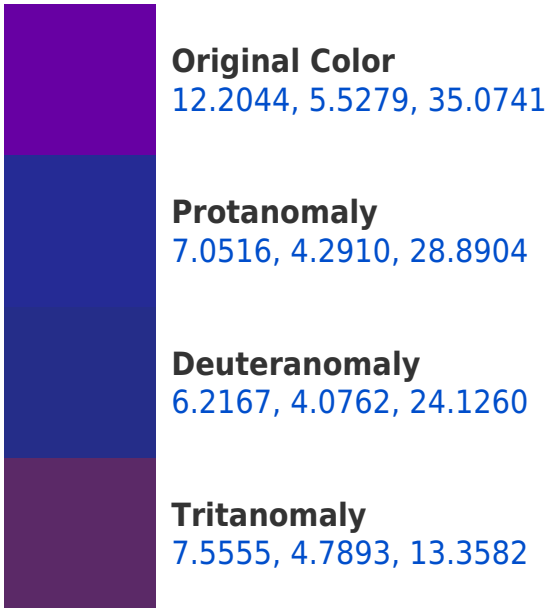
5.7661, 5.9116, 19.2495



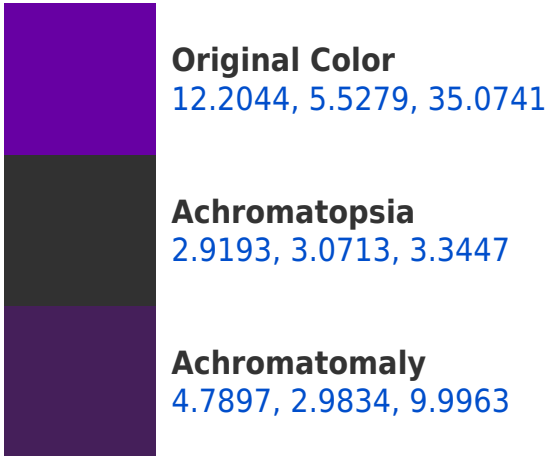
Tritanopia

6.5637, 5.9813, 6.4388

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2044, 5.5279, 35.0741 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(103, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(103, 0, 163)  
}
```

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(103, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 12.2044, 5.5279, 35.0741 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(103, 0, 163) }
```


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

```
.border{ border-color:rgb(103, 0, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 0, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(103, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2044, 5.5279, 35.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 0, 163) }
```

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

```
.background{ background-color: rgb(103, 0,  
163) }
```

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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