

Converting Colors

XYZ(13.1438, 5.8418, 42.8180)

Have a look what the booklet for
XYZ(13.1438, 5.8418, 42.8180)
contains.

XYZ(13.1737, 5.8513, 43.0829)	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(13.1737, 5.8513,
43.0829)**

Conversions

Conversions Part 1

Format	Color
Hex	6200B3
RGB	98, 0, 179
RGB Percent	38%, 0%, 70%
CMY	0.6157, 1.0000, 0.2980
CMYK	0.45, 1.00, 0.00, 0.30
HSL	273°, 100%, 35%
HSV	273°, 100%, 70%
XYZ	13.1737, 5.8513, 43.0829
YIQ	49.7080, 0.9490, 76.4450

Conversions

Conversions Part 2

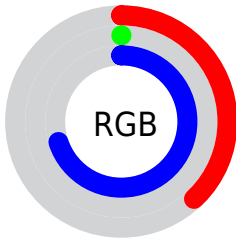
Format	Color
RYB	98, 0, 179
Decimal	6422707
CIELab	29.03, 64.64, -69.18
CIElCh	29, 94.686, 313.057
Yxy	5.8513, 0.2121, 0.0942
Android (android.graphics.Color)	4284612787 (0xFF6200B3)
YUV	49.7080, 63.7410, 42.3521
Hunter-Lab	24.1895, 54.8804, -88.6665

Details

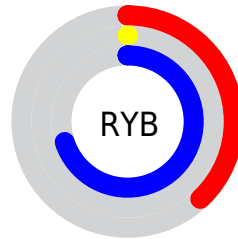
The XYZ color **13.1737, 5.8513, 43.0829** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **19.5132, 33.9895, 5.5322**, and the grayscale version is **2.9295, 3.0820, 3.3563**.

A 20% lighter version of the original color is **31.2351, 17.6045, 81.1086**, and **4.3289, 1.8040, 19.5221** is the 20% darker color. If you saturate the color by 10%, you get **13.1742, 5.8516, 43.0831**, and if you desaturate by 10%, it is **14.3076, 6.7546, 43.1976**.

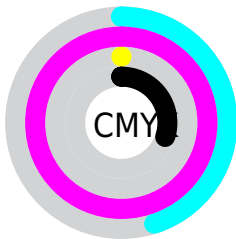
Distribution



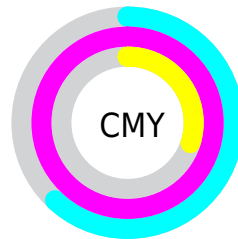
- Red (38%)
- Green (0%)
- Blue (70%)



- Red (38%)
- Yellow (0%)
- Blue (70%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (62%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1737, 5.8513, 43.0829 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 13.1737, 5.8513, 43.0829 by changing the saturation by 10% instead.


 13.1737, 5.8513,
43.0829

 13.1737, 5.8513,
43.0829


205.6431,
157.7455, 374.8838


 7.6261, 2.7549,
29.6183


 31.2142, 17.6218,
81.1236


 3.9064, 1.0051,
19.2994


 44.4377, 27.0647,
106.5368


 1.6493, 0.0000,
11.7079


 60.9506, 39.3919,
136.7700

 0.4242, 0.0000,
6.4250

 81.1183, 54.9877,
172.2416

 0.0000, 0.0000,
3.0322

 105.3060, 74.2366,
213.3703


 0.0000, 0.0000,
1.1111


 133.8791, 97.5229,


 0.0000, 0.0000,


260.5745

0.0000

 167.2030,
125.2311, 314.2728


 13.1737, 5.8513,
43.0829


 13.1737, 5.8513,
43.0829


 13.1742, 5.8516,
43.0831

 14.3076, 6.7546,
43.1976

 15.7275, 8.0954,
43.3816

 17.5110, 10.0249,
43.6600

 19.6961, 12.6156,
44.0449

 22.3154, 15.9292,
44.5465

■ 25.3976, 20.0200,
45.1736

■ 28.9687, 24.9371,
45.9345

■ 33.0528, 30.7253,
46.8365

■ 37.6721, 37.4263,
47.8864

Harmonies

Analogous

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



7.6103, 5.8513, 66.7292



13.1737, 5.8513, 43.0829



17.5444, 5.8513, 15.8629

Triad

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



13.1737, 5.8513, 43.0829



8.2862, 5.8513, 0.0000



0.8034, 5.8513, 13.2211

Complementary

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



13.1737, 5.8513, 43.0829



19.5132, 33.9895, 5.5322

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.



0.8439, 5.8513, 1.7067



13.1737, 5.8513, 43.0829



3.9180, 5.8513, 0.0000

Square

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



13.1737, 5.8513, 43.0829



13.8792, 5.8513, 0.0000



1.6501, 5.8513, 0.0000



1.4826, 5.8513, 39.2096

Rectangle

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



13.1737, 5.8513, 43.0829



18.2896, 5.8513, 5.2070



1.6501, 5.8513, 0.0000



0.7469, 5.8513, 7.6969

Sweetspot

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



13.1742, 5.8516, 43.0831



51.5362, 44.1784, 82.1922



11.2709, 9.5231, 43.8921



10.8073, 8.9407, 18.0784



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



13.1742, 5.8516, 43.0831



23.3323, 10.3448, 77.1482



26.1365, 12.6022, 40.6071



8.4718, 8.4517, 10.6912



9.3853, 4.1741, 30.4480



0.3614, 0.1654, 0.9611

Inverse Universe

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



20.0755, 10.1778, 8.6902



35.8448, 18.1841, 14.9855



16.1528, 32.2534, 5.5455



8.6509, 8.5671, 9.6600



14.2182, 7.2049, 6.3092



0.4769, 0.2385, 0.3541

Previews

White Background



This preview shows how the XYZ color 13.1737, 5.8513, 43.0829 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

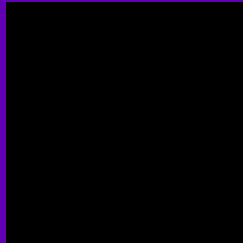
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1737, 5.8513, 43.0829

Background



This preview shows how black text looks on a background with the XYZ color 13.1737, 5.8513, 43.0829.



This preview shows how white text looks on a background with the XYZ color 13.1737, 5.8513,

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

13.1737, 5.8513, 43.0829

Protanopia

7.1622, 6.2699, 27.2183

Deuteranopia

6.0206, 6.2203, 19.9521



Tritanopia

6.2078, 6.3048, 7.5464

Trichromacy



Original Color

13.1737, 5.8513, 43.0829

Protanomaly

7.7140, 4.6108, 32.3817

Deuteranomaly

6.7386, 4.3427, 26.8686

Tritanomaly

7.3987, 4.8629, 16.1715

Monochromacy



Original Color

13.1737, 5.8513, 43.0829

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9889, 3.0894, 11.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1737, 5.8513, 43.0829 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(98, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 179)  
}
```

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(98, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 13.1737, 5.8513, 43.0829 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(98, 0, 179) }
```


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

```
.border{ border-color:rgb(98, 0, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 0, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 179)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1737, 5.8513, 43.0829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 179) }
```

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

```
.background{ background-color: rgb(98, 0,  
179) }
```

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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