

Converting Colors

XYZ(13.1824, 6.1200, 46.5324)

Have a look what the booklet for
XYZ(13.1824, 6.1200, 46.5324)
contains.

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Color

**XYZ(13.2063, 6.1422,
46.3885)**

Conversions

Conversions Part 1

Format	Color
Hex	5A13B9
RGB	90, 19, 185
RGB Percent	35%, 7%, 73%
CMY	0.6470, 0.9255, 0.2745
CMYK	0.51, 0.90, 0.00, 0.27
HSL	266°, 81%, 40%
HSV	266°, 90%, 73%
XYZ	13.2063, 6.1422, 46.3885
YIQ	59.1530, -10.9700, 66.6780

Conversions

Conversions Part 2

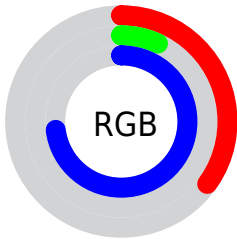
Format	Color
RYB	90, 19, 185
Decimal	5903289
CIELab	29.77, 61.69, -71.58
CIELCh	30, 94.498, 310.757
Yxy	6.1422, 0.2009, 0.0934
Android (android.graphics.Color)	4284093369 (0xFF5A13B9)
YUV	59.1530, 62.0426, 27.0528
Hunter-Lab	24.7835, 51.7458, -93.6278

Details

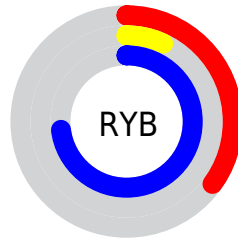
The XYZ color **13.2063, 6.1422, 46.3885** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **24.4051, 38.3220, 6.7266**, and the grayscale version is **4.0971, 4.3105, 4.6941**.

A 20% lighter version of the original color is **31.2586, 18.2026, 85.8703**, and **4.2104, 1.7051, 21.2263** is the 20% darker color. If you saturate the color by 10%, you get **12.0217, 5.1938, 46.2681**, and if you desaturate by 10%, it is **14.7553, 7.6003, 46.5885**.

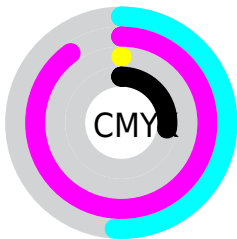
Distribution



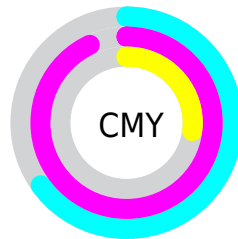
- Red (35%)
- Green (7%)
- Blue (73%)



- Red (35%)
- Yellow (7%)
- Blue (73%)



- Cyan (51%)
- Magenta (90%)
- Yellow (0%)
- Black (27%)



- Cyan (65%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2063, 6.1422, 46.3885 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 13.2063, 6.1422, 46.3885 by changing the saturation by 10% instead.

■ 13.2063, 6.1422,
46.3885

■ 13.2063, 6.1422,
46.3885

205.8466,
160.3328, 388.6912

■ 7.6487, 2.9317,
32.2016

■ 31.2721, 18.2255,
86.1405

■ 3.9209, 1.0962,
21.2495

■ 44.5110, 27.8670,
112.5428

■ 1.6575, 0.0000,
13.1135

■ 61.0411, 40.4211,
143.8538

■ 0.4294, 0.0000,
7.3751

■ 81.2277, 56.2721,
180.4923

■ 0.0000, 0.0000,
3.6158

■ 105.4363, 75.8044,
222.8768


■ 0.0000, 0.0000,
1.4170


■ 134.0320, 99.4023,

■ 0.0000, 0.0000,

271.4257


0.1549

 167.3803,
127.4503, 326.5577


 0.0000, 0.0000,
0.0000

 13.2063, 6.1422,
46.3885


 13.2063, 6.1422,
46.3885


 12.0217, 5.1938,
46.2681


 14.7553, 7.6003,
46.5885

 11.9925, 5.1708,
46.2651

 16.7490, 9.7219,
46.8929

 19.2319, 12.5874,
47.3151

 22.2419, 16.2650,
47.8663

 25.8128, 20.8147,
48.5563

■ 29.9754, 26.2909,
49.3939

■ 34.7580, 32.7434,
50.3873

■ 40.1868, 40.2184,
51.5440

■ 46.2866, 48.7590,
52.8710

Harmonies

Analogous

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



7.5480, 6.1422, 68.9524



13.2063, 6.1422, 46.3885



17.8807, 6.1422, 18.1428

Triad

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



13.2063, 6.1422, 46.3885



9.0624, 6.1422, 0.0000



0.8662, 6.1422, 12.2492

Complementary

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



13.2063, 6.1422, 46.3885



24.4051, 38.3220, 6.7266

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.



0.9594, 6.1422, 1.4834



13.2063, 6.1422, 46.3885



4.4080, 6.1422, 0.0000

Square

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



13.2063, 6.1422, 46.3885



14.7775, 6.1422, 0.0000



1.8952, 6.1422, 0.0000



1.5101, 6.1422, 37.8325

Rectangle

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



13.2063, 6.1422, 46.3885



18.8860, 6.1422, 6.3754



1.8952, 6.1422, 0.0000



0.8257, 6.1422, 7.0103

Sweetspot

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



13.2067, 6.1423, 46.3887



55.5472, 49.5754, 88.8460



15.2516, 16.0934, 48.2017



11.3872, 9.9028, 19.0329



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



13.2067, 6.1423, 46.3887



21.2235, 9.1294, 82.8481



25.8208, 12.6451, 46.9790



8.8756, 8.9022, 11.3299



8.2458, 3.5620, 31.5060



0.3618, 0.1622, 1.1140

Inverse Universe

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



23.2774, 11.9947, 17.0059



40.3609, 20.2838, 25.5185



18.0884, 35.0656, 6.4310



9.2141, 9.0960, 10.4751



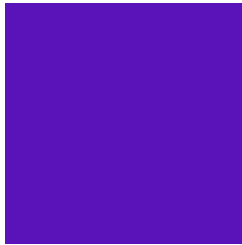
15.4271, 7.7446, 10.1360



0.5742, 0.2851, 0.5170

Previews

White Background



This preview shows how the XYZ color 13.2063, 6.1422, 46.3885 looks on a white background.

Color Contrast Check

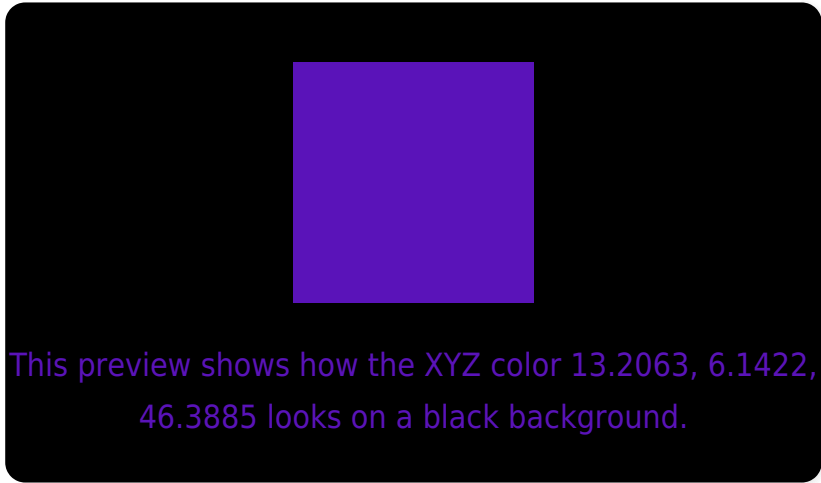
Large Text (above 18pt) WCAG AA ✓ Pass

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

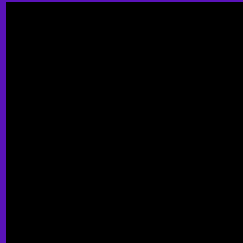
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2063, 6.1422, 46.3885

Background



This preview shows how black text looks on a background with the XYZ color 13.2063, 6.1422, 46.3885.



This preview shows how white text looks on a background with the XYZ color 13.2063, 6.1422,

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

13.2063, 6.1422, 46.3885

Protanopia

7.1622, 6.2699, 27.2183

Deuteranopia

6.0206, 6.2203, 19.9521



Tritanopia

5.5975, 6.2594, 8.3103

Trichromacy



Original Color

13.2063, 6.1422, 46.3885

Protanomaly

8.0690, 5.1942, 33.3782

Deuteranomaly

7.0886, 4.9449, 27.7750

Tritanomaly

7.0689, 5.1563, 17.7622

Monochromacy



Original Color

13.2063, 6.1422, 46.3885

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.9763, 4.1234, 13.8455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2063, 6.1422, 46.3885 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(90, 19, 185)` looks like.

```
.text, #text, p{  
    color:rgb(90, 19, 185)  
}
```

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(90, 19, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 19, 185) }
```

Border

The CSS property to change the border of an element to XYZ 13.2063, 6.1422, 46.3885 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(90, 19, 185) }
```


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

```
.border{ border-color:rgb(90, 19, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 19, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 19, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 19, 185);  
box-shadow:4px 4px 4px 4px rgb(90, 19,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2063, 6.1422, 46.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 19, 185) }
```

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

```
.background{ background-color: rgb(90, 19,  
185) }
```

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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