

Converting Colors

XYZ(13.4649, 6.1476, 40.2199)

Have a look what the booklet for
XYZ(13.4649, 6.1476, 40.2199)
contains.

XYZ(13.4228, 6.1289, 40.0107)	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(13.4228, 6.1289,
40.0107)**

Conversions

Conversions Part 1

Format	Color
Hex	6905AD
RGB	105, 5, 173
RGB Percent	41%, 2%, 68%
CMY	0.5882, 0.9804, 0.3216
CMYK	0.39, 0.97, 0.00, 0.32
HSL	276°, 94%, 35%
HSV	276°, 97%, 68%
XYZ	13.4228, 6.1289, 40.0107
YIQ	54.0520, 5.6720, 73.4480

Conversions

Conversions Part 2

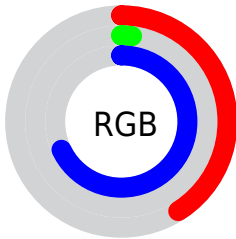
Format	Color
R _{YB}	105, 5, 173
Decimal	6882733
CIE Lab	29.74, 63.24, -64.40
CIE LCh	30, 90.260, 314.481
Yxy	6.1289, 0.2254, 0.1029
Android (android.graphics.Color)	4285072813 (0xFF6905AD)
YUV	54.0520, 58.6414, 44.6814
Hunter-Lab	24.7566, 53.4569, -78.4926

Details

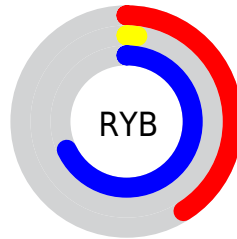
The XYZ color **13.4228, 6.1289, 40.0107** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **17.7182, 31.3145, 5.2540**, and the grayscale version is **3.4423, 3.6216, 3.9439**.

A 20% lighter version of the original color is **31.7697, 18.2648, 76.7139**, and **4.4120, 1.8898, 17.5850** is the 20% darker color. If you saturate the color by 10%, you get **13.1341, 5.8996, 39.9818**, and if you desaturate by 10%, it is **14.5182, 7.0475, 40.1304**.

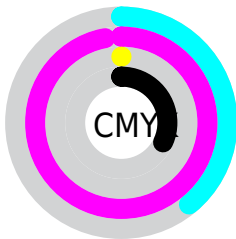
Distribution



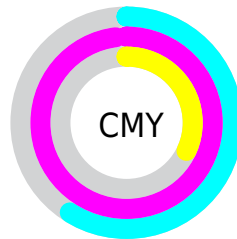
- Red (41%)
- Green (2%)
- Blue (68%)



- Red (41%)
- Yellow (2%)
- Blue (68%)



- Cyan (39%)
- Magenta (97%)
- Yellow (0%)
- Black (32%)



- Cyan (59%)
- Magenta (98%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4228, 6.1289, 40.0107 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 13.4228, 6.1289, 40.0107 by changing the saturation by 10% instead.

■ 13.4228, 6.1289,
40.0107

■ 13.4228, 6.1289,
40.0107

207.1931,
160.2157, 361.7221

■ 7.7993, 2.9236,
27.2330

■ 31.6562, 18.1980,
76.4171

■ 4.0175, 1.0920,
17.5143

■ 44.9968, 27.8306,
100.8829

■ 1.7121, 0.0000,
10.4361

■ 61.6406, 40.3744,
130.0818

■ 0.4638, 0.0000,
5.5797

■ 81.9527, 56.2138,
164.4324

■ 0.0000, 0.0000,
2.5266

■ 106.2987, 75.7333,
204.3531

■ 0.0000, 0.0000,
0.8542

■ 135.0439, 99.3172,

■ 0.0000, 0.0000,

250.2627

0.0000

168.5536,
127.3498, 302.5795

13.4228, 6.1289,
40.0107

13.4228, 6.1289,
40.0107

13.1341, 5.8996,
39.9818

14.5182, 7.0475,
40.1304

15.8969, 8.4302,
40.3246

17.6064, 10.3696,
40.6089

19.6795, 12.9286,
40.9936

22.1440, 16.1612,
41.4876

■ 25.0252, 20.1157,
42.0991

■ 28.3459, 24.8355,
42.8351

■ 32.1269, 30.3607,
43.7022

■ 36.3879, 36.7285,
44.7068

Harmonies

Analogous

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



8.0641, 6.1289, 62.5354



13.4228, 6.1289, 40.0107



17.4367, 6.1289, 14.8738

Triad

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



13.4228, 6.1289, 40.0107



8.2391, 6.1289, 0.0000



1.0050, 6.1289, 14.2006

Complementary

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



13.4228, 6.1289, 40.0107



17.7182, 31.3145, 5.2540

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.



1.0166, 6.1289, 2.2282



13.4228, 6.1289, 40.0107



4.0448, 6.1289, 0.0000

Square

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



13.4228, 6.1289, 40.0107



13.6022, 6.1289, 0.0000



1.8251, 6.1289, 0.0000



1.7783, 6.1289, 39.0505

Rectangle

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



13.4228, 6.1289, 40.0107



17.9976, 6.1289, 5.0381



1.8251, 6.1289, 0.0000



0.9354, 6.1289, 8.6288

Sweetspot

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



13.4232, 6.1291, 40.0109



49.2677, 42.3255, 76.3787



10.1214, 8.0814, 40.5617



10.1699, 8.4336, 16.4795



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



13.4232, 6.1291, 40.0109



23.2731, 10.4372, 71.5937



23.5459, 11.4960, 33.7788



8.0187, 7.9840, 10.0711



9.7148, 4.3681, 29.3756



0.3300, 0.1523, 0.8200

Inverse Universe

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



18.4903, 9.4737, 7.1564



32.7453, 16.6636, 11.3481



15.1237, 29.9665, 5.6030



8.1346, 8.0671, 9.0194



13.5001, 6.8626, 5.0128



0.4031, 0.2019, 0.2845

Previews

White Background



This preview shows how the XYZ color 13.4228, 6.1289, 40.0107 looks on a white background.

Color Contrast Check

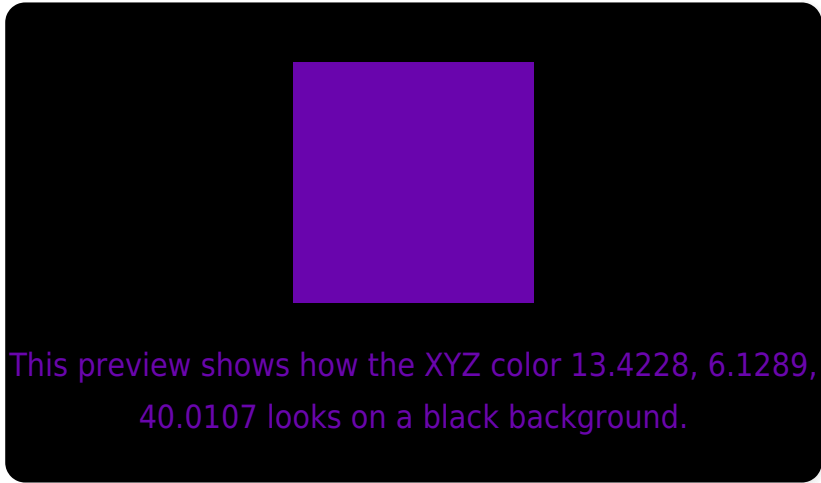
Large Text (above 18pt) WCAG AA ✓ Pass

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

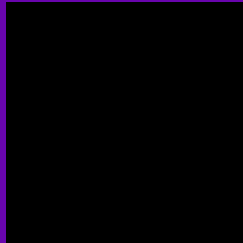
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4228, 6.1289, 40.0107

Background



This preview shows how black text looks on a background with the XYZ color 13.4228, 6.1289, 40.0107.



This preview shows how white text looks on a background with the XYZ color 13.4228, 6.1289,

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

13.4228, 6.1289, 40.0107

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.2147, 6.4039, 20.6472



Tritanopia

6.9259, 6.5001, 7.1929

Trichromacy



Original Color

13.4228, 6.1289, 40.0107

Protanomaly

7.7771, 4.7664, 31.9626

Deuteranomaly

6.8556, 4.5919, 26.5116

Tritanomaly

8.1123, 5.2562, 15.0550

Monochromacy



Original Color

13.4228, 6.1289, 40.0107

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5362, 3.5413, 11.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4228, 6.1289, 40.0107 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(105, 5, 173)` looks like.

```
.text, #text, p{  
    color:rgb(105, 5, 173)  
}
```

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(105, 5, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 5, 173) }
```

Border

The CSS property to change the border of an element to XYZ 13.4228, 6.1289, 40.0107 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(105, 5, 173) }
```


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

```
.border{ border-color:rgb(105, 5, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 5, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 5, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 5, 173);  
box-shadow:4px 4px 4px 4px rgb(105, 5,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4228, 6.1289, 40.0107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 5, 173) }
```

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

```
.background{ background-color: rgb(105, 5,  
173) }
```

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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