

Converting Colors

XYZ(14.4046, 10.6879, 31.8367)

Have a look what the booklet for
XYZ(14.4046, 10.6879, 31.8367)
contains.

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Color

**XYZ(14.4305, 10.7050,
31.8776)**

Conversions

Conversions Part 1

Format	Color
Hex	6A4D9A
RGB	106, 77, 154
RGB Percent	42%, 30%, 60%
CMY	0.5843, 0.6980, 0.3961
CMYK	0.31, 0.50, 0.00, 0.40
HSL	263°, 33%, 45%
HSV	263°, 50%, 60%
XYZ	14.4305, 10.7050, 31.8776
YIQ	94.4490, -7.4330, 30.0950

Conversions

Conversions Part 2

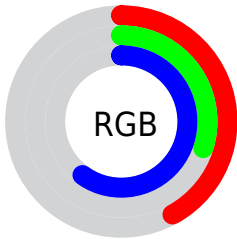
Format	Color
R_{YB}	106, 77, 154
Decimal	6966682
CIE _{Lab}	39.08, 29.33, -37.84
CIE _{LCh}	39, 47.873, 307.779
Yxy	10.7050, 0.2531, 0.1878
Android (android.graphics.Color)	4285156762 (0xFF6A4D9A)
YUV	94.4490, 29.3586, 10.1302
Hunter-Lab	32.7185, 21.4701, -34.8632

Details

The XYZ color **14.4305, 10.7050, 31.8776** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **21.3527, 28.0072, 11.3020**, and the grayscale version is **10.6798, 11.2360, 12.2360**.

A 20% lighter version of the original color is **33.3961, 27.1531, 63.8025**, and **4.4638, 2.7515, 12.8662** is the 20% darker color. If you saturate the color by 10%, you get **12.4002, 8.2439, 31.5098**, and if you desaturate by 10%, it is **16.8445, 13.7430, 32.3370**.

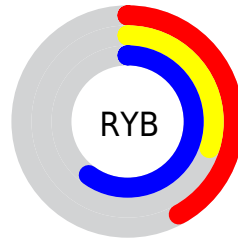
Distribution



Red (42%)

Green (30%)

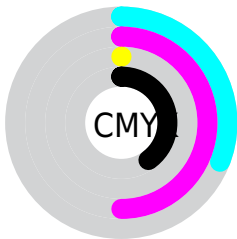
Blue (60%)



Red (42%)

Yellow (30%)

Blue (60%)

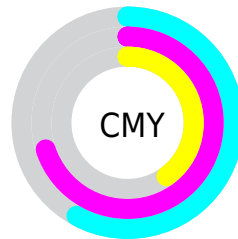


Cyan (31%)

Magenta (50%)

Yellow (0%)

Black (40%)



Cyan (58%)

Magenta (70%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4305, 10.7050, 31.8776 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 14.4305, 10.7050, 31.8776 by changing the saturation by 10% instead.

■ 14.4305, 10.7050,
31.8776

■ 14.4305, 10.7050,
31.8776

213.3502,
195.6323, 325.0368

■ 8.5044, 5.8688,
21.0040

■ 33.4309, 27.1134,
63.7148

■ 4.4739, 2.7655,
12.9356

■ 47.2359, 39.4543,
85.5155

■ 1.9735, 1.0106,
7.2540

■ 64.3978, 55.0657,
111.7957

■ 0.6190, 0.0000,
3.5406

■ 85.2822, 74.3319,
142.9738

■ 0.0000, 0.0000,
1.3769

■ 110.2542, 97.6372,
179.4684

■ 0.0000, 0.0000,
0.1236

139.6794,

■ 0.0000, 0.0000,

125.3662, 221.6981

0.0000

173.9229,

157.9031, 270.0814

■ 14.4305, 10.7050,
31.8776

■ 14.4305, 10.7050,
31.8776

■ 12.4002, 8.2439,
31.5098

■ 16.8445, 13.7430,
32.3370

■ 10.7298, 6.3196,
31.2264

■ 19.6614, 17.3916,
32.8927

■ 9.3946, 4.8890,
31.0206

■ 22.9006, 21.6836,
33.5505

■ 8.3657, 3.9009,
30.8841

■ 26.5797, 26.6487,
34.3149

■ 7.5779, 3.2328,
30.7967

■ 30.7154, 32.3151,
35.1907

■ 7.5779, 3.2327,
30.7967

■ 35.3233, 38.7089,
36.1819

■ 40.4184, 45.8553,
37.2928

■ 46.0149, 53.7781,
38.5271

■ 52.1265, 62.5000,
39.8884

Harmonies

Analogous

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



11.0308, 10.7050, 39.2979



14.4305, 10.7050, 31.8776



17.0026, 10.7050, 19.6743

Triad

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



14.4305, 10.7050, 31.8776



12.6846, 10.7050, 1.7681



5.2135, 10.7050, 14.2083

Complementary

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



14.4305, 10.7050, 31.8776



21.3527, 28.0072, 11.3020

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.



5.4742, 10.7050, 6.1795



14.4305, 10.7050, 31.8776



9.3642, 10.7050, 1.4615

Square

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



14.4305, 10.7050, 31.8776



15.8563, 10.7050, 3.8486



6.8507, 10.7050, 2.5373



6.0440, 10.7050, 26.1334

Rectangle

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



14.4305, 10.7050, 31.8776



17.6479, 10.7050, 12.3526



6.8507, 10.7050, 2.5373



5.1803, 10.7050, 10.9859

Sweetspot

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



14.4309, 10.7054, 31.8779



44.6392, 43.4720, 61.5745



16.3246, 18.7733, 33.3353



9.8114, 9.4458, 13.8765



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.4309, 10.7054, 31.8779



22.1266, 14.5045, 57.1697



19.9420, 13.5464, 32.1358



6.0934, 6.1340, 7.7918



6.2110, 2.6530, 25.0924



0.1312, 0.0594, 0.3769

Inverse Universe

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



19.6822, 13.6587, 21.0009



33.1143, 20.7004, 33.6696



16.8509, 25.6864, 11.0913



6.3625, 6.2842, 7.2890



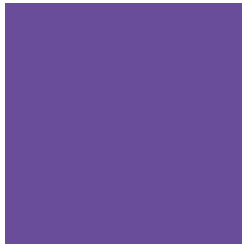
12.5952, 6.2923, 9.6590



0.2059, 0.1011, 0.2369

Previews

White Background



This preview shows how the XYZ color 14.4305, 10.7050, 31.8776 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 × Fail

Black Background



This preview shows how the XYZ color 14.4305, 10.7050, 31.8776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

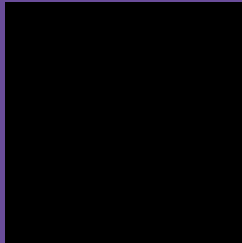
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4305, 10.7050, 31.8776

Background



This preview shows how black text looks on a background with the XYZ color 14.4305, 10.7050, 31.8776.



This preview shows how white text looks on a background with the XYZ color 14.4305, 10.7050,

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

14.4305, 10.7050, 31.8776

Protanopia

12.1146, 10.8777, 37.5375

Deuteranopia

11.1312, 10.9038, 30.7961



Tritanopia

10.6650, 10.7969, 13.0772

Trichromacy



Original Color

14.4305, 10.7050, 31.8776

Protanomaly

12.5941, 10.5615, 35.5572

Deuteranomaly

11.8997, 10.5392, 31.1129

Tritanomaly

11.7434, 10.6162, 18.5697

Monochromacy



Original Color

14.4305, 10.7050, 31.8776

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.6791, 10.8371, 17.9992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4305, 10.7050, 31.8776 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(106, 77, 154)` looks like.

```
.text, #text, p{  
    color:rgb(106, 77, 154)  
}
```

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(106, 77, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 77, 154) }
```

Border

The CSS property to change the border of an element to XYZ 14.4305, 10.7050, 31.8776 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(106, 77, 154) }
```


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

```
.border{ border-color:rgb(106, 77, 154) }
```

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

Here you see how a box with a 4 pixel rgb(106, 77, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 77, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 77, 154);  
box-shadow:4px 4px 4px 4px rgb(106, 77,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4305, 10.7050, 31.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 77, 154) }
```

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

```
.background{ background-color: rgb(106, 77,  
154) }
```

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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