

Converting Colors

XYZ(13.0683, 10.6413, 36.8504)

Have a look what the booklet for
XYZ(13.0683, 10.6413, 36.8504)
contains.

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Color

**XYZ(13.1037, 10.6770,
36.9675)**

Conversions

Conversions Part 1

Format	Color
Hex	4E54A5
RGB	78, 84, 165
RGB Percent	31%, 33%, 65%
CMY	0.6941, 0.6706, 0.3529
CMYK	0.53, 0.49, 0.00, 0.35
HSL	236°, 36%, 48%
HSV	236°, 53%, 65%
XYZ	13.1037, 10.6770, 36.9675
YIQ	91.4400, -29.5770, 23.9190

Conversions

Conversions Part 2

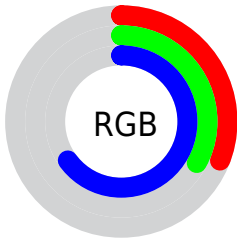
Format	Color
R_{YB}	78, 84, 165
Decimal	5133477
CIE _{Lab}	39.03, 21.10, -44.64
CIE _{LCh}	39, 49.377, 295.293
Yxy	10.6770, 0.2157, 0.1758
Android (android.graphics.Color)	4283323557 (0xFF4E54A5)
YUV	91.4400, 36.2651, -11.7869
Hunter-Lab	32.6757, 14.4002, -44.2045

Details

The XYZ color **13.1037, 10.6770, 36.9675** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **29.2909, 33.3465, 12.1010**, and the grayscale version is **9.9692, 10.4884, 11.4219**.

A 20% lighter version of the original color is **31.1115, 26.9821, 71.9749**, and **3.8472, 2.7224, 15.6520** is the 20% darker color. If you saturate the color by 10%, you get **10.8531, 7.9368, 36.5574**, and if you desaturate by 10%, it is **15.9558, 14.1158, 37.4812**.

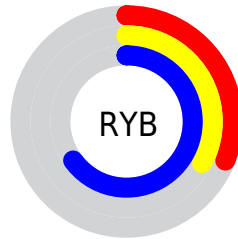
Distribution



Red (31%)

Green (33%)

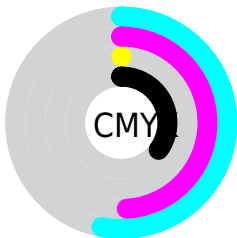
Blue (65%)



Red (31%)

Yellow (33%)

Blue (65%)

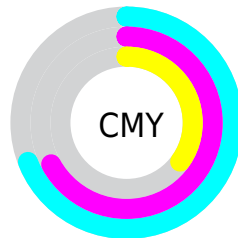


Cyan (53%)

Magenta (49%)

Yellow (0%)

Black (35%)



Cyan (69%)

Magenta (67%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1037, 10.6770, 36.9675 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 13.1037, 10.6770, 36.9675 by changing the saturation by 10% instead.

■ 13.1037, 10.6770,
36.9675

■ 13.1037, 10.6770,
36.9675

205.2054,
195.4380, 348.3342

■ 7.5775, 5.8501,
24.8867

■ 31.0897, 27.0613,
71.7086

■ 3.8753, 2.7541,
15.7744

■ 44.2802, 39.3875,
95.2060

■ 1.6318, 1.0048,
9.2121

■ 60.7561, 54.9822,
123.3460

■ 0.4130, 0.0000,
4.7811

■ 80.8829, 74.2299,
156.5471

■ 0.0000, 0.0000,
2.0629

■ 105.0259, 97.5149,
195.2280

■ 0.0000, 0.0000,
0.5936

133.5504,

■ 0.0000, 0.0000,

125.2217, 239.8071

0.0000

166.8218,
157.7346, 290.7030

■ 13.1037, 10.6770,
36.9675

■ 13.1037, 10.6770,
36.9675

■ 10.8531, 7.9368,
36.5574

■ 15.9558, 14.1158,
37.4812

■ 9.1596, 5.8461,
36.2431

■ 19.4471, 18.2955,
38.1039

■ 7.9747, 4.3514,
36.0171

■ 23.6136, 23.2563,
38.8418

■ 7.2408, 3.3900,
35.8702

■ 28.4882, 29.0351,
39.7004

■ 6.9156, 2.9647,
35.8053

■ 34.1019, 35.6668,
40.6845

■ 40.4836, 43.1838,
41.7991

■ 47.6609, 51.6172,
43.0486

■ 55.6597, 60.9963,
44.4374

■ 64.5049, 71.3493,
45.9695

Harmonies

Analogous

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



9.6369, 10.6770, 40.7176



13.1037, 10.6770, 36.9675



16.3003, 10.6770, 25.3243

Triad

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



13.1037, 10.6770, 36.9675



14.2012, 10.6770, 2.1779



5.0519, 10.6770, 10.1986

Complementary

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



13.1037, 10.6770, 36.9675



29.2909, 33.3465, 12.1010

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.



5.7791, 10.6770, 4.0509



13.1037, 10.6770, 36.9675



10.6772, 10.6770, 1.2966

Square

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



13.1037, 10.6770, 36.9675



17.0241, 10.6770, 5.4674



7.6742, 10.6770, 1.7257



5.4290, 10.6770, 21.2316

Rectangle

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



13.1037, 10.6770, 36.9675



17.5949, 10.6770, 16.8690



7.6742, 10.6770, 1.7257



5.1698, 10.6770, 7.5995

Sweetspot

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



13.1042, 10.6773, 36.9678



47.7564, 48.1351, 70.5263



22.7475, 30.9903, 37.0181



10.0688, 10.0827, 15.3530



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.



13.1042, 10.6773, 36.9678



18.9445, 13.6099, 65.3808



16.4884, 11.7602, 36.9984



6.7379, 6.9347, 8.8865



5.2466, 2.2727, 27.0919



0.1213, 0.0699, 0.5730

Inverse Universe

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



19.8420, 14.0887, 10.0614



32.3890, 20.6688, 11.6366



23.8460, 32.1082, 12.1490



7.0927, 7.0935, 7.4744



11.7937, 6.0736, 0.8385



0.2534, 0.1299, 0.0471

Previews

White Background



This preview shows how the XYZ color 13.1037, 10.6770, 36.9675 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 13.1037, 10.6770, 36.9675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

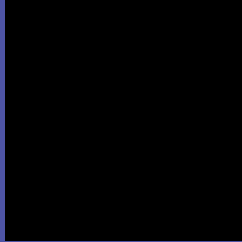
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 13.1037, 10.6770, 36.9675

Background



This preview shows how black text looks on a background with the XYZ color 13.1037, 10.6770, 36.9675.



This preview shows how white text looks on a background with the XYZ color 13.1037, 10.6770,

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

13.1037, 10.6770, 36.9675

Protanopia

12.1435, 10.7251, 39.4603

Deuteranopia

10.9512, 10.6927, 36.1370



Tritanopia

8.7141, 10.6755, 15.2370

Trichromacy



Original Color

13.1037, 10.6770, 36.9675

Protanomaly

12.3396, 10.6042, 38.4422

Deuteranomaly

11.4392, 10.5506, 36.5555

Tritanomaly

9.9251, 10.4848, 21.5793

Monochromacy



Original Color

13.1037, 10.6770, 36.9675

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5975, 10.2659, 18.5625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1037, 10.6770, 36.9675 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(78, 84, 165)` looks like.

```
.text, #text, p{  
    color:rgb(78, 84, 165)  
}
```

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(78, 84, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 84, 165) }
```

Border

The CSS property to change the border of an element to XYZ 13.1037, 10.6770, 36.9675 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(78, 84, 165) }
```


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

```
.border{ border-color:rgb(78, 84, 165) }
```

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

Here you see how a box with a 4 pixel rgb(78, 84, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 84, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 84, 165);  
box-shadow:4px 4px 4px 4px rgb(78, 84,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1037, 10.6770, 36.9675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 84, 165) }
```

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

```
.background{ background-color: rgb(78, 84,  
165) }
```

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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